FEDERAL ITEM IDENTIFICATION GUIDE

MISCELLANEOUS RELAY AND SWITCH COMPONENTS

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Commander

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

[Page Break]

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key

Bracket

1. (Mechanical) An item of rigid construction which is attached to and projects from a main body, for the purpose of sustaining a secondary item in a pre-determined suspended position, relative to the main body.

BRACKET (1), SOLENOID	15353	HB
CONTACT ASSEMBLY, ELECTRICAL	06160	DA

Two or more CONTACT, ELECTRICAL on a common mounting or mounted on each other. Excludes BRUSH SET, ELECTRICAL CONTACT; CONTACT SET (as modified); and INSERT, ELECTRICAL CONNECTOR.

CONTACT SET, RELAY	15352	RA

A grouping of two or more separate relay contacts.

Cover

1. (Mechanical) An item which partially incloses an object or closes an opening partially or completely. Excludes items which are permanently fixed to the object(s), with which used, by hinges or similar fastening devices.

COVER (1), ELECTRICAL RELAY	15354	HB
DETENT, SWITCH	02059	GA

A mechanism which is a part of or may be added to a switch to establish predetermined switching positions. See also STOP, ELECTRICAL SWITCH and LATCH, SWITCH.

ELECTROMAGNETIC ACTUATOR	00720	LA

An item which develops mechanical energy as a result of momentary or intermittent impulses in a Coil (1) or ELECTROMAGNET and which is used to operate such items as a ratchet or signaling device. For items having a core axially set within a coil and in which the coil and core move with respect to each other, see SOLENOID, ELECTRICAL. See also MOTOR (as modifed) and ANNUNCIATOR.

FLASHER, SOLID STATE	36776	MA

An item designed to complete, interrupt or change the connections in one or more electrical lighting circuits in accordance with a predetermined time cycle. It is actuated by means of an arrangement of semiconductors and/or passive circuit devices. Excludes CONTROL, DIRECTIONAL SIGNAL LIGHT, AUTOMOTIVE and SWITCH THERMOSTATIC. See also FLASHER, THERMAL.

Approved Item Name	INC	App Key
FLASHER, THERMAL	08410	MA

An item designed to complete, interrupt, or change the connections in one or more electrical lighting circuits in accordance with a predetermined time cycle. It is actuated by the effect of heat generated by current passing through its circuit(s). Excludes CONTROL, DIRECTIONAL SIGNAL LIGHT, AUTOMOTIVE; and SWITCH, THERMOSTATIC. See also FLASHER, SOLID STATE.

LINK, SOLENOID	15355	HB
LOBE SWITCH, ANTENNA	04878	QA

An item specifically designed for systematically shifting the radiation pattern of an antenna. May include motor. Excludes SWITCH, WAVEGUIDE and SWITCH, RADIO FREQUENCY TRANSMISSION LINE.

MATRIX, COMMUNICATION	40849	PA

A unit that contains coordinate switches for interconnecting a number of inlet terminals and a number of outlet terminals by crosspoints which contain a connecting device such as a relay. See also SWITCHING GROUP, AUDIO FREQUENCY; SWITCHING GROUP, RADIO FREQUENCY; RELAY ASSEMBLY. Excludes MATRIX, COMPUTER; MATRIX, CODE.

PLUNGER, SOLENOID	21146	JA

A metallic item used as a core which reacts to the magnetic flux produced by a surrounding electrical coil(s). It travels on a longitudinal plane with reciprocating motion to perform a mechanical function. It may have facilities for attaching mechanical and/or electrical items such as linkage and/or contacts. It is a maintenance part for such items as RELAY, SOLENOID; RELAY-SOLENOID, ENGINE STARTER, ELECTRICAL; and SOLENOID, ELECTRICAL.

Relay

1. (Electrical) A protective or control device which completes or breaks an electrical circuit in response to electrical changes in an external circuit. The contact and actuating element are not in series. It is not designed to permit manual opening of the protected or controlled circuit but may have facilities for manual closing or reset upon automatic opening of the circuit. It is classified by the type of contact actuation, such as armature, meter movement, motor driven, rotary, and solenoid rather than by its application. Such uses as time delay, antenna switching, and keying are secondary features since, for example, a time-driven relay may be of the armature, motor driven, solenoid, or thermal type. Motor-driven switches, photoelectric tubes, and electron tubes which may function as switching devices are not considered as relays. For items with provisions for manual operation, see RELAY-SWITCH. For items in which the contacts and actuating elements are in series, see CIRCUIT BREAKER. See also REGULATOR, VOLTAGE; REGULATOR, CURRENT; SWITCH (as modified); and TIMER, SEQUENTIAL.

RELAY ASSEMBLY	00447	BA

Two or more RELAYS (as modified) having a common mounting or mounted on each other. If item contains electronic components see ELECTRONIC COMPONENT ASSEMBLY. Excludes AMPLIFIER-RELAY ASSEMBLY; RELAY ASSEMBLY GROUP; and RELAY-SWITCH.

Approved Item Name	INC	App Key
RELAY (1), METER MOVEMENT	03884	KA

A relay which operates by means of a D'Arsonval or similar meter type actuation.

RELAY (1), ROTARY	03890	SA

A relay whose contact arm may rotate through 360 degrees but not in one operation. Includes rotary relays which automatically reset. For an item having the dual functions of a switch and relay assembled together on a common mounting, see RELAY-SWITCH. Excludes SWITCH, ROTARY; SWITCH, STEPPING; and SWITCH, TELEPHONE (as modified).

RELAY-SWITCH	00448	NA

An item having the dual function of a RELAY (as modified) and a SWITCH (as modified) assembled together on a common mounting or in a single inclosure. Contacts may be common to both relay and switch. For relay operated switches, see RELAY (as modified). Excludes CIRCUIT BREAKER and relays with protruding shafts.

SWITCH ASSEMBLY	00711	EA

Two or more complete switches mounted on each other or having a common mounting the major function of which is to hold the switches. Each switch, as a separable item, must be capable of functioning in accordance with its own name. Excludes items consisting of individually separable switches which are physically interlocked (e.g., one button returns when the other is pushed), which have a common actuator, or are electrically connected. See also SWITCH, PUSH.

SWITCH, PROGRAMMING #	45009	AA

An item with a motor-driven program switch which, contrary to pulse-actuated mechanisms, is permanently driven. Program mechanisms are required in applications where the program flow must be free from control pulses. For pulse-driven switching mechanisms designed for stepping operation see SWITCH, STEPPING.

SWITCH, STEPPING	26954	AA

An electromagnetically actuated switch having contact wipers which are successively rotated over fixed bank contacts. The contact wipers are progressively advanced over the fixed bank contacts through a repetitive series of stepping operations. The stepping operation may be a continuous forward rotation acting through 360 degrees to return to its normal unoperated position or it may be designed to include an electro-magnetic and/or mechanical means for releasing and resetting the switch to its released position for a subsequent operation. The contact wipers may be mechanically held in contact with the fixed bank contacts after the armature of the actuating coil has released. The switch may be released at the end of its travel or at any intermediate position. It includes items designed with two electromagnetic actuators that enable the switch to operate in either direction. For items having the dual function of a switch and a relay assembled together on a common mounting, see RELAY-SWITCH. For other than electromagnetically actuated switches whose contact wipers are manually rotated over fixed bank contacts, see SWITCH, ROTARY. Excludes RELAY, ROTARY and SWITCH, TELEPHONE (as modified).

Approved Item Name	INC	App Key
SWITCHING GROUP, RADIO FREQUENCY	00203	PA

A collection of items of which two or more are considered major electrical-electronic components whose designed intent is to provide a radio frequency switching capability only.

SWITCHING UNIT, AUDIO-VIDEO	41999	QC

An item that electrically and/or mechanically switches audio and/or video signals. It is designed to select audio/video inputs to be applied to specific outputs via manual control or remote control units. It allows signals to be switched to specific equipment such as monitors, recorders, editors and the like. It may be rack mounted or a stand alone unit.

SWITCHING UNIT, COUNTERMEASURES DISPENSER	51094	QB

An item that receives dispense signals from the programmer or other control devices and routes them to the appropriate sequencer switch. A switch is provided for each dispenser to select chaff or flare cartridge dispensing to agree with the type of cartridges in the dispenser magazine.

SWITCHING UNIT, ELECTRONIC COMMAND SIGNALS PROGRAMMER	16234	QB

An item specifically designed to be used in conjunction with other electronic components to provide automatic switching facilities for a PROGRAMMER, ELECTRONIC COMMAND SIGNALS. For manually operated switching units, see SWITCH (as modified). Excludes STARTER, TIMER-PROGRAMMER, GUIDED MISSILE.

SWITCHING UNIT, POWER TRANSFER	16235	QB

An item that is electrically operated to transfer automatically the load from one power source to an alternate power source. May have provisions for emergency manual operation. For manually operated power transfer units see SWITCH, BOX.

APPLICABILITY KEY INDEX

	AA
NAME	X
AMWH	AR
ANZW	AR
ANZX	X
ANZY	X
ANZZ	X
APAA	AR
APAB	AR
APAC	AR
APAD	AR
APAF	X
APAG	AR
ACDC	AR
AMSE	AR
APAM	AR
APCC	AR
APCD	X
APCE	X
AKCV	X
APCJ	AR
ABFY	AR
ABHP	AR
ABMK	AR
ADAV	AR
ABKW	AR
ADJH	AR
ALGC	AR
AKWA	AR
AKWB	AR
FEAT	AR
TEST	AR
SPCL	AR
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PMWT	AR

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SUPP	AR
FCLS	AR
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RTSE	AR
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NTRD	AR
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ZZZV	AR
PKQT	AR
EXQT	AR
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ECWT	AR
SUCB	AR
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SHPN	AR
DENN	AR
WLBL	AR

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ALCB	AR
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ABHP	AR
ABMK	AR
ABKW	AR
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ADAV	AR
AFHS	AR
AFJH	AR
ALGC	AR
MARK	AR
FEAT	AR
TEST	AR
SPCL	AR
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AWJN	AR
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PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
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APDJ	AR
APDL	AR
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AARA	AR
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FEAT	AR
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ZZZV	AR
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AMSB	AR
AKNA	AR
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ADZC	AR
ABHP	AR
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ABXD	AR
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ADAV	AR
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ZZZV	AR
PKQT	AR
EXQT	AR
SUWT	AR
ECWT	AR

SUCB	AR
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APFQ	AR
APCM	AR
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FAAZ	AR
ACYR	AR
APFS	AR
AARA	X
AARB	AR
APGQ	AR
APGS	AR
APHC	AR
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PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR

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ZZZV	AR
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EXQT	AR
SUWT	AR
ECWT	AR
SUCB	AR
EXME	AR
HZRD	AR
SHPN	AR
DENN	AR
WLBL	AR

	NA
NAME	X
APCL	X
AEEA	AR
AFTL	AR
CPWK	AR
APFX	AR
APFY	X
APGW	X
APGX	AR
APGY	X
APGZ	X
APHA	AR
APHB	AR
APJX	AR
APJY	AR
APLQ	AR
APLR	AR
ACDC	AR
APLS	AR
APLT	AR
APLW	AR
APLX	AR
APLY	AR
APLZ	AR
APMA	AR
APMB	AR
APMC	AR
APMD	AR
APME	AR
APMF	AR
AMWM	AR
APMG	AR
APMH	AR
APMJ	AR
ANJG	AR
SURF	AR
ABBH	AR
APMK	AR
ABHP	AR
ADAV	AR
ABMK	AR
ABKW	AR
ABFY	AR
ALGC	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR

PRPY	AR
NHCF	AR
ELRN	AR
ELCD	AR
ALCD	AR
AGAV	AR
AFJK	AR
AWJN	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
PKQT	AR
EXQT	AR
SUWT	AR
ECWT	AR
SUCB	AR
EXME	AR
HZRD	AR
SHPN	AR
DENN	AR
WLBL	AR

	PA
NAME	X
APHE	AR
AFDL	AR
AKWC	AR
ACYN	AR
ACZB	AR
FAAZ	AR
ACYR	AR
ALSF	AR
AFHS	AR
AFJH	AR
AKVY	AR
AKVZ	AR
AJJX	AR
AJJY	AR
AJJZ	AR
AJKA	AR
AJKB	AR
AKWA	AR
AKWB	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
NHCF	AR
ELRN	AR
ELCD	AR
ALCD	AR
AGAV	AR
AFJK	AR
AWJN	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
PKQT	AR
EXQT	AR
SUWT	AR
ECWT	AR

SUCB	AR
EXME	AR
HZRD	AR
SHPN	AR
DENN	AR
WLBL	AR

	QA	QB	QC
NAME	X	X	X
APHG	X		
APHH		AR	
APHJ		AR	
APHK		AR	
AFTM		AR	
APHL		AR	
AMPJ	X		
ACDC	AR	AR	X
ELEC	AR	AR	X
ACZB	AR	AR	AR
FAAZ	AR	AR	AR
AMPS	AR	AR	AR
ANPZ		AR	
ADTV	AR		
APHP		X	
ABHP	AR	AR	AR
ABMK	AR	AR	AR
ABFY	AR	AR	AR
ADAV	AR	AR	AR
ABKW	AR	AR	AR
ALGC	AR	AR	
ANWL			AR
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
PRPY	AR	AR	AR
NHCF	AR	AR	AR
ELRN	AR	AR	AR
ELCD	AR	AR	AR
ALCD	AR	AR	AR
AGAV	AR	AR	AR
AFJK	AR	AR	AR
AWJN	AR	AR	AR
PRMT	AR	AR	AR
PMWT	AR	AR	AR
PMLC	AR	AR	AR
SUPP	AR	AR	AR
FCLS	AR	AR	AR
FTLD	AR	AR	AR
TMDN	AR	AR	AR
RTSE	AR	AR	AR
RDAL	AR	AR	AR
NTRD	AR	AR	AR
ZZZP	AR	AR	AR
ZZZV	AR	AR	AR
PKQT	AR	AR	AR

EXQT	AR	AR	AR
SUWT	AR	AR	AR
ECWT	AR	AR	AR
SUCB	AR	AR	AR
EXME	AR	AR	AR
HZRD	AR	AR	AR
SHPN	AR	AR	AR
DENN	AR	AR	AR
WLBL	AR	AR	AR

	RA
NAME	X
AFRA	X
AKSF	AR
ANNQ	AR
APFX	AR
APLS	AR
APLT	AR
APLW	AR
APLX	AR
APMX	AR
AKYD	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
NHCF	AR
ELRN	AR
ELCD	AR
ALCD	AR
AGAV	AR
AFJK	AR
AWJN	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
PKQT	AR
EXQT	AR
SUWT	AR
ECWT	AR
SUCB	AR
EXME	AR
HZRD	AR
SHPN	AR
DENN	AR
WLBL	AR

	SA
NAME	X
ALXF	X
AFTL	AR
CPWK	AR
BWGP	AR
APFX	AR
APLS	AR
APLT	AR
APLW	AR
APLX	AR
CPWL	X
CPWM	AR
ANWD	AR
APBR	AR
APAM	AR
AXAZ	AR
AXBA	AR
BDFT	AR
CPWP	AR
CPWQ	AR
APNH	X
APNG	AR
APNJ	AR
CPWT	X
AYSY	AR
APNR	X
AAPL	AR
ADZC	AR
ABFY	AR
ADAV	AR
ABKW	AR
ABHP	AR
ABMK	AR
ALGC	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
NHCF	AR
ELRN	AR
ELCD	AR
ALCD	AR
AGAV	AR
AFJK	AR
AWJN	AR
PRMT	AR
PMWT	AR

PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
PKQT	AR
EXQT	AR
SUWT	AR
ECWT	AR
SUCB	AR
EXME	AR
HZRD	AR
SHPN	AR
DENN	AR
WLBL	AR

[Page Break]

Body

SECTION: A

APP
Key MRC Mode Code Requirements

ALL

NAME D ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index of Approved Item Names.(e.g., NAMED26954*)

ALL*

AMWH D CONTROL METHOD

Definition: THE MEANS BY WHICH THE ITEM IS CONTROLLED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMWHDY*; AMWHDY$$DZ*)

REPLY CODE	REPLY (AA77)
Y	REMOTE
Z	SELF

ALL*

ANZW D HOMING METHOD

Definition: THE MEANS OF RESTORING THE ITEM TO A HOMING POSITION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANZWDABH*)

REPLY CODE	REPLY (AK03)
ABG	THROUGH OFF-NORMAL SPRINGS
ABH	THROUGH SWITCH CONTACTS

ALL

APP Key	MRC	Mode Code	Requirements
	ANZX	A	BANK LEVEL QUANTITY

Definition: THE NUMBER OF BANK LEVELS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ANZXA3*; ANZXA2$$A3*)

ALL

	ANZY	A	CONTACT QUANTITY PER BANK LEVEL

Definition: THE NUMBER OF CONTACT(S) (POINT) PROVIDED IN EACH BANK LEVEL.

Reply Instructions: Enter the quantity. (e.g., ANZYA10*; ANZYA12$$A16*)

ALL

	ANZZ	A	WIPER CONTACT QUANTITY PER BANK LEVEL

Definition: THE NUMBER OF WIPER CONTACTS PROVIDED IN EACH BANK LEVEL.

Reply Instructions: Enter the quantity. (e.g., ANZZA8*; ANZZA6$$A8*)

ALL*

	APAA	J	CONTACT CURRENT RATING

Definition: THE AMOUNT OF CURRENT FOR WHICH THE CONTACT(S) WAS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APAAJA30.0*)

Give current carrying ratings of contacts at rest. Do not give rating based on the current interruption capabilities of the contacts.

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

ALL*

	APAB	D	CONTACT TYPE

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES THE TYPE OF CONTACT(S) USED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APABDAC*; APABDAB$$DAC*)

REPLY CODE	REPLY (AK30)
AB	BRIDGING
AC	NONBRIDGING

ALL*

APAC A BRIDGING LEVEL QUANTITY

Definition: THE NUMBER OF BRIDGINGS LEVEL(S) PROVIDED.

Reply Instructions: Enter the quantity. (e.g., APACA10*)

ALL*

APAD A NONBRIDGING LEVEL QUANTITY

Definition: THE NUMBER OF NONBRIDGING LEVELS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., APADA8*)

ALL

APAF A MAGNETIC COIL QUANTITY

Definition: THE NUMBER OF MAGNETIC COILS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., APAFA2*)

ALL*

APAG D COIL TYPE

Definition: INDICATES THE TYPE OF COIL USED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APAGDAAW*)

REPLY CODE	REPLY (AK03)
ABJ	DRIVE (includes Stepping)
AAW	RESET (includes Release)

APP Key	MRC	Mode Code	Requirements

ALL*

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDC*; ACDCDB$$DC*; ACDCDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

ALL*

AMSE J VOLTAGE RATING

Definition: THE VALUE(S) OF POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMSEJVA5.0*; AMSEJVB10.0$$JVC15.0*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APAM J OPERATING CURRENT RATING

Definition: THE OPERATING CURRENT FOR WHICH THE ITEM IS RATED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APAMJAA10.0*; APAMJAB10.0$$JAC15.0*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APCC J ELECTRICAL RESISTANCE

Definition: A MEASUREMENT OF THE OPPOSITION TO THE FLOW OF DIRECT OR ALTERNATING CURRENT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APCCJQA10.0*; APCCJQB10.0$$JQC15.0*)

Table 1

REPLY CODE	REPLY (AA57)
G	GIGOHMS
K	KILOHMS
M	MEGOHMS
Q	OHMS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APCD A AUXILIARY OFF-NORMAL CONTACT ARRANGEMENT

APP Key	MRC	Mode Code	Requirements

Definition: THE BASIC FORM OF THE AUXILIARY OFF-NORMAL CONTACT ARRANGEMENT.

Reply Instructions: Enter the quantity and contact form designation in accordance with the instructions in Appendix B , Reference Drawing Group A. (e.g., APCDA1A*)

ALL

APCE A AUXILIARY INTERRUPTER CONTACT ARRANGEMENT

Definition: THE BASIC FORM OF THE AUXILIARY INTERRUPTER CONTACT ARRANGEMENT.

Reply Instructions: Enter the quantity and contact form designation in accordance with the instructions in Appendix B , Reference Drawing Group A. (e.g., APCEA2D*)

ALL

AKCV D DRIVE TYPE

Definition: INDICATES THE TYPE OF DRIVE FOR TURNING, ROTATING, OR POSITIONING THE MECHANISM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKCVDAC*)

REPLY CODE	REPLY (AG25)
AC	DIRECT
BE	INDIRECT

ALL*

APCJ D STEPPING DIRECTION

Definition: AN INDICATION OF THE STEPPING DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APCJDAB*)

An unidirectional switch is designed for a continuous stepping action in one direction only. A bidirectional switch is designed to stop the wipers around the bank assembly in either direction.

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AK37)
AC	BIDIRECTIONAL
AB	UNIDIRECTIONAL

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADJH D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6. (e.g., ADJHDPK*)

ALL*

ALGC G MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text.

APP Key	MRC	Mode Code	Requirements
			(e.g., ALGCG4 MTG STUDS 1/4-28THD 6.500 IN. BY 4.750 IN. MTG CENTERS*)
ALL*			
	AKWA	G	JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM NAME
			Definition: THE NAME ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.
			Reply Instructions: Enter the reply in clear text. (e.g., AKWAGPUBLIC ADDRESS SET*)
ALL*			
	AKWB	G	JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM TYPE NUMBER
			Definition: THE TYPE NUMBER ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.
			Reply Instructions: Enter the reply in clear text. (e.g., AKWBGAN/TIPIA*)

SECTION: B

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
	Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.		
	Reply Instructions: Enter the applicable Item Name Code from the index of Approved Item Names. (e.g., NAMED00447*)		
ALL			
	APCK	A	INDIVIDUAL RELAY QUANTITY
	Definition: THE NUMBER OF INDIVIDUAL RELAY(S) PROVIDED.		
	Reply Instructions: Enter the quantity. (e.g., APCKA10*)		
ALL*			
	APCL	D	RELAY TYPE
	Definition: INDICATES THE TYPE OF RELAY(S) PROVIDED.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 9. (e.g., APCLDAE*; APCLDAE$$DAF*; APCLDAE$DAF*)		
ALL*			
	AMSA	G	CONTROLLING AGENCY
	Definition: THE NAME OF THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE ITEM.		
	Reply Instructions: Enter the controller's name. (e.g., AMSAGSIGNAL CORPS*)		
ALL*			
	AMSB	J	IDENTIFYING NUMBER
	Definition: AN IDENTIFYING NUMBER ASSIGNED BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE ITEM.		
	Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMSBJAE79614*; AMSBJAB294$$JAC1621*)		

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AG99)
AB	DRAWING NO.
AC	MODEL NO.
AD	PART NO.
AE	SERIAL NO.
AF	TYPE NO.

ALL*

AALY D MOUNTING MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE MOUNTING IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., AALYDALC000*; AALYDAL0000$$DBR0000*; AALYDAL0000$DBR0000*)

ALL*

ALCB D MOUNTING FACILITY

Definition: THE FACILITY FOR MOUNTING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 15. (e.g., ALCBDMR*; ALCBDMR$DMS*)

ALL*

AALZ D MOUNTING SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS THE MOUNTING SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., AALZDAN0000*; AALZDAN0000$$DBA0000*; AALZDAN0000$DBA0000*)

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; AMBKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AFHS A ACCESSORY COMPONENT QUANTITY

Definition: THE NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the quantity. (e.g., AFHSA4*)

ALL*

AFJH G FURNISHED ITEMS

Definition: ITEMS FURNISHED AS ACCESSORIES WHICH ARE NOT SPECIFIED ELSEWHERE.

Reply Instructions: Enter the reply in clear text. (e.g., AFJHGRECEIVER*)

ALL*

ALGC G MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALGCGTRACK MTD IN DRAWER*)

ALL*

APP Key	MRC	Mode Code	Requirements
	MARK	G	SPECIAL MARKINGS

Definition: MARKINGS INCLUDED ON AN ITEM FOR THE PURPOSE OF OFFERING INSTRUCTIONS OR WARNINGS OR TO INDICATE THE PURPOSE, FUNCTION, OR APPLICATION OF THE ITEM. EXCLUDES MANUFACTURERS PART NUMBERS, SYMBOLS, OR THE LIKE.

Reply Instructions: Enter all special markings in clear text. If more than one special marking, use a semicolon to separate each reply. (e.g., MARKGWARNING INDICATOR*; MARKGSTAMPED TOP*; STAMPED BOTTOM*)

SECTION: D

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index of Approved Item Names. (e.g., NAMED06160*)

ALL

	ALXF	D	STRUCTURAL DESIGN

Definition: THE BASIC STRUCTURE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALXFDAE*)

REPLY CODE	REPLY (AH79)
AF	NONPILE-UP (a contact arrangement that is described in terms of poles and throws)
BR	NONSWITCHING (arranged in an order other than pile-up or nonpile-up switching)
AE	PILE-UP (a contact arrangement that is described in terms of contact arrangement forms)

NOTE FOR MRCS AFRA, APDK, APDJ, APDL, AND AFTL: REPLY TO MRCS AFRA, APDK, APDJ, AND APDL AS APPLICABLE, WHEN REPLY CODE AF OR BR IS ENTERED FOR MRC ALXF. REPLY TO MRC AFTL WHEN REPLY CODE AE IS ENTERED FOR MRC ALXF.

ALL* (See Note Above)

	AFRA	A	CONTACT QUANTITY

Definition: THE NUMBER OF CONTACTS WHICH PROVIDE ELECTRICAL CONNECTION.

Reply Instructions: Enter the quantity. (e.g., AFRAA2*; AFRAA2$$A4*)

ALL* (See Note Preceding MRC AFRA)

APP Key	MRC	Mode Code	Requirements
	APDK	A	GOVERNMENT AGENCY CONTROLLING CONTACT

Definition: THE NAME OF THE GOVERNMENT AGENCY CONTROLLING THE CONTACT(S).

Reply Instructions: Enter the name of the controlling agency. (e.g., APDKANSA*; APDKADESC$$AUSN*; APDKANAVAL ORDINANCE SYSTEMS COMMAND*)

ALL* (See Note Preceding MRC AFRA)

	APDJ	A	CONTACT ITEM NAME ASSIGNED BY GOVERNMENT AGENCY

Definition: THE NAME OF THE CONTACT(S) ASSIGNED BY THE CONTROLLING GOVERNMENT AGENCY.

Reply Instructions: Enter the item name. (e.g., APDJACONTACT ASSY*; APDJACONTACT ASSY$$APOINT*)

ALL* (See Note Preceding MRC AFRA)

	APDL	A	CONTACT IDENTIFYING NUMBER ASSIGNED BY GOVERNMENT AGENCY

Definition: AN IDENTIFYING NUMBER ASSIGNED BY THE GOVERNMENT AGENCY CONTROLLING THE CONTACT(S).

Reply Instructions: Enter the identifying number.

(e.g., APDLAD-15915-A*; APDLAD-15915-A$$AF-16016-B*)

ALL* (See Note Preceding MRC AFRA)

	AFTL	A	CONTACT FORM ARRANGEMENT

Definition: THE QUANTITY AND COMBINATION(S) OF THE BASIC CONTACT FORMS, IN THE ORDER OF ASSEMBLAGE, WHICH MAKE UP THE SWITCHING STRUCTURE OF THE ITEM.

Reply Instructions: Enter the quantity and contact form designation in accordance with instructions in Appendix B , Reference Drawing Group A. (e.g., AFTLA1A*; AFTLA2C$$A3B*)

APP Key	MRC	Mode Code	Requirements
ALL*			
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*			
	ABMK	J	OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements
ALL*			
	ABKW	J	OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*			
	ADAV	J	OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

ADUM J OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF THE ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA1.000*; ADUMJLA25.4*; ADUMJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AARB D TERMINAL TYPE

Definition: INDICATES THE TYPE OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 14. If item has more than one type of terminal, use AND coding ($$) entering in reply table sequence. (e.g., AARBDBM*; AARBDBM$$DAM*)

ALL*

AARA A TERMINAL QUANTITY

Definition: THE NUMBER OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the quantity. For multiple replies, use AND coding ($$) entering in the same sequence as MRC AARB. (e.g., AARAA2*; AARAA2$$A4*)

ALL*

APP Key	MRC	Mode Code	Requirements
	ALGC	G	MOUNTING CONFIGURATION
			Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.
			Reply Instructions: Enter the reply in clear text. (e.g., ALGCGTWO 1/8 IN. DIA MTG HOLES ON 1 IN. CENTERS*)
ALL*			
	MARK	G	SPECIAL MARKINGS
			Definition: MARKINGS INCLUDED ON AN ITEM FOR THE PURPOSE OF OFFERING INSTRUCTIONS OR WARNINGS OR TO INDICATE THE PURPOSE, FUNCTION, OR APPLICATION OF THE ITEM. EXCLUDES MANUFACTURERS PART NUMBERS, SYMBOLS, OR THE LIKE.
			Reply Instructions: Enter all special markings in clear text. If more than one special marking, use a semicolon to separate each reply. (e.g., MARKGSTAMPED/TOP*; MARKGSTAMPED/TOP; STAMPED BOTTOM*)

SECTION: E

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
	Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.		
	Reply Instructions: Enter the applicable Item Name Code from the index of Approved Item Names. (e.g., NAMED00711*)		
ALL			
	APCR	A	INDIVIDUAL SWITCH QUANTITY
	Definition: THE NUMBER OF INDIVIDUAL SWITCHES INCLUDED.		
	Reply Instructions: Enter the quantity. (e.g., APCRA6*; APCRA6$$A7*)		

NOTE: IF AND CODING ($$) IS USED WITH MRC APCR, IT MUST BE USED WITH MRCS AEEA AND AMSB. REPLY TO MRCS APCR, AEEA, AND AMSB FOR THE FIRST SWITCH. THEN REPLY IN THE SAME SEQUENCE FOR THE SECOND SWITCH AND SO ON.

ALL* (See Note Above)			
	AEEA	D	SWITCH TYPE
	Definition: INDICATES THE TYPE OF SWITCH INCLUDED IN THE ITEM.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AEEADAW*; AEEADAW$$DAB*)		
ALL*			
	AMSA	G	CONTROLLING AGENCY
	Definition: THE NAME OF THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE ITEM.		
	Reply Instructions: Enter the controller's name. For multiple replies, enter in the same sequence as MRC APCR, using a semicolon to separate replies. (e.g., AMSAGSIGNAL CORPS*; AMSAGSIGNAL CORPS; ORDNANCE CORPS*)		
ALL* (See Note Preceding MRC AEEA)			

APP Key	MRC	Mode Code	Requirements
	AMSB	J	IDENTIFYING NUMBER

Definition: AN IDENTIFYING NUMBER ASSIGNED BY THE GOVERNMENT OR COMMERCIAL ORGANIZATION CONTROLLING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the identifying number. (e.g., AMSBJAD12345*; AMSBJAD12345$$JAF67890*)

REPLY CODE	REPLY (AG99)
AB	DRAWING NO.
AC	MODEL NO.
AD	PART NO.
AE	SERIAL NO.
AF	TYPE NO.

ALL*

	AKNA	D	INCLOSURE TYPE

Definition: INDICATES THE TYPE OF INCLOSURE PROVIDED TO COAT, COVER, PROTECT, OR ENCASE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKNADAH*)

REPLY CODE	REPLY (AG85)
AH	FULLY INCLOSED
AB	UNINCLOSED

NOTE FOR MRCS ABBH AND ADZC: REPLY TO THESE MRCS IF REPLY CODE AH IS ENTERED FOR MRC AKNA.

ALL* (See Note Above)

	ABBH	D	INCLOSURE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE INCLOSURE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., ABBHDALC000*; ABBHDAL0000$$DBC0000*; ABBHDAL0000$DBC0000*)

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ABBH)

ADZC D ENVIRONMENTAL PROTECTION

Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 8. (e.g., ADZCDAR*; ADZCDGJ$$DBW*; ADZCDAR$DHF*)

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADJH D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6. (e.g., ADJHDPK*; ADJHDPK$$DMJ*; ADJHDPK$DMJ*)

APP
Key MRC Mode Code Requirements

NOTE FOR MRCS ABKH, THDS, ABXD, AND ALGC: REPLY TO MRCS ABKH, THDS, AND ABXD ONLY WHEN REPLY CODE CZ IS ENTERED FOR MRC ADJH. FOR ALL OTHER REPLY CODES, REPLY TO MRC ALGC.

ALL* (See Note Above)

ABKH J BUSHING DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BUSHING, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKHJAA1.000*; ABKHJLA25.4*; ABKHJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABKH)

THDS J THREAD SIZE AND SERIES/TYPE DESIGNATOR

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5, followed by the thread size.

(e.g., THDSJNF10-32*)

ALL* (See Note Preceding MRC ABKH)

ABXD J BUSHING LENGTH

APP Key	MRC	Mode Code	Requirements

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A BUSHING, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABXDJAA1.000*; ABXDJLA25.4*; ABXDJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABKH)

ALGC G MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALGCGMTD IN PARALLEL ON ONE INSULATOR BLOCK AND ONE LEG OF L BRACKET*)

ALL*

MARK G SPECIAL MARKINGS

Definition: MARKINGS INCLUDED ON AN ITEM FOR THE PURPOSE OF OFFERING INSTRUCTIONS OR WARNINGS OR TO INDICATE THE PURPOSE, FUNCTION, OR APPLICATION OF THE ITEM. EXCLUDES MANUFACTURERS PART NUMBERS, SYMBOLS, OR THE LIKE.

Reply Instructions: Enter all special markings in clear text. If more than one special marking, use a semicolon to separate each reply. (e.g., MARKGSTANDARD*; MARKGSTANDARD; REGULAR*)

SECTION: G

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index of Approved Item Names. (e.g., NAMED02059*)

ALL			
	AFTM	A	SWITCH POSITION QUANTITY

Definition: THE NUMBER OF INDEXED POSITIONS TO WHICH THE SWITCH ACTUATOR MAY BE MOVED.

Reply Instructions: Enter the quantity. (e.g., AFTMA8*)

ALL*			
	APDM	B	POSITIONING INCREMENTS IN DEG

Definition: THE ANGULAR ROTATION THAT THE ITEM MOVES BETWEEN POSITIONS, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., APDMB90.0*)

ALL*			
	APDN	D	STOP ADJUSTIBILITY

Definition: AN INDICATION OF WHETHER OR NOT THE STOP IS ADJUSTABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APDNDA*)

REPLY CODE	REPLY (AB00)
A	ADJUSTABLE
C	NONADJUSTABLE

ALL*

APP Key	MRC	Mode Code	Requirements
	APDP	F	STOP ADJUSTMENT RANGE

Definition: AN INDICATION OF THE ADJUSTMENT RANGE OF THE STOP.

Reply Instructions: Enter the numeric value. (e.g., APDPFP5.0/P8.0*)

ALL*

	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	ADAV	J	OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APDQ H SHAFT CROSS-SECTIONAL SHAPE AND LOCATION

Definition: THE GEOMETRIC CONFIGURATION OF THE SHAFT END, WHEN VIEWED AXIALLY, AND ITS LOCATION.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 10, followed by the applicable Reply Code from the table below. (e.g., APDQHDYABW*)

REPLY CODE	REPLY (AJ91)
ABW	BACK END
ABT	FRONT END

ALL*

AKJH J SHAFT WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE SHAFT, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AKJHJAA0.250*; AKJHJLA25.4*; AKJHJAB0.245$$JAC0.250*)

See Appendix B, Reference Drawing Group C, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL*

AKJK J SHAFT CROSS HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A SHAFT CROSS HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AKJKJAA0.250*; AKJKJLA25.4*; AKJKJAB0.245$$JAC0.250*)

See Appendix B, Reference Drawing Group C, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

CTBP J SHAFT TIP LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE SHAFT TIP, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value, excluding terminals. (e.g., CTBPJAA24.000*; CTBPJLA25.4*; CTBPJAB23.500$$JAC24.000*)

See Appendix B, Reference Drawing Group C, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABXF J SHAFT LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE SHAFT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABXFJAA0.250*; ABXFJLA25.4*; ABXFJAB0.245$$JAC0.250*)

See Appendix B, Reference Drawing Group C, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APDR G NOMINAL SIZE

Definition: A MEASUREMENT SUCH AS LENGTH, WIDTH, DIAMETER, AND THE LIKE.

Reply Instructions: Enter the reply in clear text. Indicate whether dimension is for front end or back end. (e.g., APDRG0.125 IN. DIA FRONT END*)

ALL*

APP Key	MRC	Mode Code	Requirements
	APDS	J	DISTANCE FROM SHAFT END TO MOUNTING SURFACE

Definition: THE DISTANCE FROM THE END OF THE SHAFT TO THE MOUNTING SURFACE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APDSJA0.250*; APDSJL25.4*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL*

	AMDA	D	LOCKING DEVICE

Definition: AN INDICATION OF WHETHER OR NOT A LOCKING DEVICE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMDADB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

	ADJH	D	MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6. (e.g., ADJHDCZ*; ADJHDPK$$DMJ*; ADJHDPK$DMJ*)

NOTE FOR MRCS ABKH, ABXD, AAMQ, AND ALGC: IF REPLY CODE CZ IS ENTERED FOR MRC ADJH, REPLY TO MRCS ABKH, ABXD, AND AAMQ. IF OTHER THAN REPLY CODE CZ IS ENTERED FOR MRC ADJH, REPLY TO MRC ALGC.

ALL* (See Note Above)

APP Key	MRC	Mode Code	Requirements
	ABKH	J	BUSHING DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BUSHING, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKHJAA1.000*; ABKHJLA25.4*; ABKHJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABKH)

	ABXD	J	BUSHING LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A BUSHING, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABXDJAA1.000*; ABXDJLA25.4*; ABXDJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements
ALL* (See Note Preceding MRC ABKH)			
	AAMQ	A	MOUNTING THREADS PER INCH
	Definition: THE NUMBER OF THREADS PER INCH ON THE MOUNTING.		
	Reply Instructions: Enter the quantity. (e.g., AAMQA32*)		
ALL* (See Note Preceding MRC ABKH)			
	ALGC	G	MOUNTING CONFIGURATION
	Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.		
	Reply Instructions: Enter the reply in clear text. (e.g., ALGCG2 1/2 IN. CTR TO CTR*)		

SECTION: H

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
	Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.		
	Reply Instructions: Enter the applicable Item Name Code from the index of Approved Item Names. (e.g., NAMED15353*)		
ALL*			
	MATL	D	MATERIAL
	Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., MATLDALC000*; MATLDALC000$$DAL0000*; MATLDALC000$DAL0000*)		
ALL*			
	SURF	D	SURFACE TREATMENT
	Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., SURFDZNS000*; SURFDZNS000$$DZNN000*; SURFDZNS000$DZNN000*)		
ALL*			
	ALGC	G	MOUNTING CONFIGURATION
	Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.		
	Reply Instructions: Enter the reply in clear text.		
	(e.g., ALGCGONE NO. 6-32 BY 1/2 IN. LG THD MTG STUDS*)		
ALL*			

APP Key	MRC	Mode Code	Requirements
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	ABMK	J	OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	ADUM	J	OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA1.000*; ADUMJLA25.4*; ADUMJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	ABKW	J	OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	ADAV	J	OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	ABFY	J	OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	MARK	G	SPECIAL MARKINGS

Definition: MARKINGS INCLUDED ON AN ITEM FOR THE PURPOSE OF OFFERING INSTRUCTIONS OR WARNINGS OR TO INDICATE THE PURPOSE, FUNCTION, OR APPLICATION OF THE ITEM. EXCLUDES MANUFACTURERS PART NUMBERS, SYMBOLS, OR THE LIKE.

Reply Instructions: Enter all special markings in clear text. If more than one special marking, use a semicolon to separate each reply.

(e.g., MARKGSTAMPED E-3*; MARKGSTAMPED E-3; STAMPED 5-U*)

SECTION: J

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index of Approved Item Names. (e.g., NAMED21146*)

ALL*			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., MATLDSTA000*; MATLDSTA000$$DSTB000*; MATLDSTA000$DSTB000*)

ALL*			
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	ABFY	J	OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	ABMK	J	OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	ADAV	J	OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	ADUM	J	OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA1.000*; ADUMJLA25.4*; ADUMJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	ABKW	J	OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	APEM	D	LINKAGE TYPE

Definition: INDICATES THE TYPE OF LINKAGE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APEMDAAB*)

REPLY CODE	REPLY (AK41)
AAB	SHAFT
AAC	T-SLOT
AAD	THREADED HOLE
AAE	UNTHREADED HOLE

ALL*

	APEN	D	SHAFT TYPE

Definition: INDICATES THE TYPE OF SHAFT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APENDAQ*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AF58)
AP	DRILLED AXIALLY
AQ	DRILLED RADIALLY
AR	DRILLED-TAPPED AXIALLY
AS	DRILLED-TAPPED RADIALLY
AT	END BENT AT RIGHT ANGLE
AM	PLAIN ROUND
AW	SLOTTED
AX	STEPPED
AK	TAPERED
AF	THREADED
AY	UNDERCUT

ALL*

ABWV J SHAFT DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A SHAFT, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABWVJAA1.000*; ABWVJLA25.4*; ABWVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AAKF J TAPER LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE TAPERED PORTION OF AN ITEM, IN DISTINCTION FROM WIDTH.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAKFJA3.125*; AAKFJL25.4*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL*

ABNJ B TAPER PER FOOT IN INCHES

Definition: THE DIMINISHING MEASUREMENT OF THE DIAMETER ALONG THE MAJOR AXIS OF THE ITEM, EXPRESSED PER FOOT IN INCHES.

Reply Instructions: Enter the numeric value. (e.g., ABNJB0.250*)

ALL*

AAUB J HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HOLE AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUBJAA1.000*; AAUBJLA25.4*; AAUBJAB2.495$$JAC2.503*)

Convert all hole dimensions given as a size to decimal diameter. See Appendix C, Table 2.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	AAZQ	J	HOLE DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS OF THE HOLE IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAZQJAA1.000*; AAZQJLA25.4*; AAZQJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	AAJF	D	THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDR*)

REPLY CODE	REPLY (AA38)
L	LEFT-HAND
R	RIGHT-HAND

ALL*

	ABET	J	THREAD LENGTH

Definition: A MEASUREMENT OF THE EXTENT OF THREADS INCLUDING INCOMPLETE THREADS, ALONG A LINE PARALLEL TO THE LONGITUDINAL AXIS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ABETJA0.500*; ABETJL25.4*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL*

ABUJ A THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the thread size.

(e.g., ABUJA1/2-12*)

ALL

APEQ D FELT WASHER

Definition: AN INDICATION OF WHETHER OR NOT A FELT WASHER IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APEQDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

APER D MACHINED UNDERCUT FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A MACHINED UNDERCUT FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APERDC*)

REPLY CODE	REPLY (AA49)

APP Key	MRC	Mode Code	Requirements
		B	INCLUDED
		C	NOT INCLUDED

ALL*

AEDR J UNDERCUT WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN UNDERCUT, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AEDRJA0.125*; AEDRJL25.4*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL*

APEJ J UNDERCUT DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS ON AN UNDERCUT, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APEJJA0.025*; APEJJL25.4*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

SECTION: K

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index of Approved Item Names. (e.g., NAMED03884*)

ALL*			
	APDY	A	MAIN CONTACT FORM ARRANGEMENT

Definition: THE NUMBER AND COMBINATION(S) OF THE BASIC CONTACT FORMS, IN THE ORDER OF ASSEMBLAGE, WHICH MAKE UP THE SWITCHING STRUCTURE OF THE MAIN CONTACT(S).

Reply Instructions: Enter the quantity and contact form designation in accordance with the instructions in Appendix B , Reference Drawing Group A. (e.g., APDYA1A*)

ALL*			
	APDZ	J	MAIN CONTACT ARRANGEMENT

Definition: THE DESIGNATION THAT IDENTIFIES THE SCHEMATIC DIAGRAM OF THE ELECTRICAL CONFIGURATION OF THE MAIN CONTACTS INCLUDING THE NUMBER OF POLES OR FORMS.

Reply Instructions: Enter the applicable Reply Code from Appendix B , Reference Drawing Group B, followed by the quantity of poles or contact arrangements in accordance with the instructions in the Drawing Group. (e.g., APDZJAA2*)

ALL*			
	APEB	D	MAIN CONTACT CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT USED BY THE MAIN CONTACT(S).

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APEBDB*; APEBDB$$DC*; APEBDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC

APP Key	MRC	Mode Code	Requirements
		C	DC

ALL*

APEC J MAIN CONTACT CURRENT RATING

Definition: THE CURRENT RATING OF THE MAIN CONTACT(S).

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APECJAA16.0*; APECJAB16.0$$JAC20.0*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AMSE J VOLTAGE RATING

Definition: THE VALUE(S) OF POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMSEJVA110.0*; AMSEJVB110.0$$JVC115.0*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

ALL*

APED J MAIN CONTACT WATTAGE RATING

Definition: THE RATED POWER THAT THE MAIN CONTACTS CAN SAFELY CONSUME OR PROVIDE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APEDJWA30.0*; APEDJWB30.0$$JWC35.0*)

Table 1

REPLY CODE	REPLY (AC33)
L	KILOWATTS
M	MILLIWATTS
W	WATTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APEF A AUXILIARY CONTACT FORM ARRANGEMENT

Definition: THE NUMBER AND COMBINATION(S) OF THE BASIC CONTACT FORMS, IN THE ORDER OF ASSEMBLAGE, WHICH MAKE UP THE SWITCHING STRUCTURE OF THE AUXILIARY CONTACT(S).

Reply Instructions: Enter the quantity and contact form designation in accordance with the instructions in Appendix B , Reference Drawing Group A. (e.g., APEFA1A*)

ALL*

APEG J AUXILIARY CONTACT ARRANGEMENT

Definition: THE DESIGNATION THAT IDENTIFIES THE SCHEMATIC DIAGRAM OF THE ELECTRICAL CONFIGURATION OF AN AUXILIARY CONTACT INCLUDING THE NUMBER OF POLES OR FORMS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from Appendix B , Reference Drawing Group B, followed by the numeric quantity of poles or contact arrangements in accordance with the instructions in the Drawing Group. (e.g., APEGJAA2*)

ALL*

APEH D AUXILIARY CONTACT CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT USED BY THE AUXILIARY CONTACT(S).

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APEHDC*; APEHDB$$DC*; APEHDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

ALL*

APEL J AUXILIARY CONTACT CURRENT RATING

Definition: THE CURRENT RATING OF THE AUXILIARY CONTACT(S).

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APELJAA20.0*; APELJAB20.0$$JAC25.0*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APGM J AUXILIARY CONTACT VOLTAGE RATING

APP
Key MRC Mode Code Requirements

Definition: THE AMOUNT OF VOLTAGE FOR WHICH THE AUXILIARY CONTACT(S) IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APGMJVA60.0*; APGMJVB60.0$$JVC65.0*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APRB J AUXILIARY CONTACT WATTAGE RATING

Definition: THE RATED POWER THAT THE AUXILIARY CONTACT(S) CAN SAFELY CONSUME OR PROVIDE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APRBJWA5.0*; APRBJWB5.0$$JWC6.0*)

Table 1

REPLY CODE	REPLY (AC33)
L	KILOWATTS
M	MILLIWATTS
W	WATTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APGN D METER MOVEMENT CURRENT TYPE

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES THE TYPE OF CURRENT USED IN THE METER MOVEMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGNDC*; APGNDB$$DC*; APGNDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

ALL*

APGP J METER MOVEMENT VOLTAGE IN VOLTS

Definition: THE AMOUNT OF VOLTAGE REQUIRED TO OPERATE THE METER MOVEMENT, EXPRESSED IN VOLTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APGPJA0.010*; APGPJB0.010$$JC0.015*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APGR J METER MOVEMENT CURRENT RANGE

Definition: AN INDICATION OF THE MINIMUM AND MAXIMUM AMOUNT OF CURRENT USED IN THE METER MOVEMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values, separated by a slash. Precede each value with a P. (e.g., APGRJAP10.0/P30.0*)

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

APP Key	MRC	Mode Code	Requirements

ALL*

APGT D METER MOVEMENT RANGE DIRECTION

Definition: AN INDICATION OF THE DIRECTION OF THE METER MOVEMENT READING RANGE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGTDB*)

REPLY CODE	REPLY (AB50)
A	CLOCKWISE
B	LEFT TO RIGHT
C	TOP TO BOTTOM

ALL*

APML J METER MOVEMENT FREQUENCY RATING

Definition: THE CYCLES PER SECOND (HERTZ) OF CURRENT OF THE METER MOVEMENT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APMLJW60.0*; APMLJEB60.0$$JEC65.0*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABWC D SCALE UNIT OF MEASURE INSCRIPTION

APP
Key MRC Mode Code Requirements

Definition: THE STANDARD OF VALUATION AS REPRESENTED BY THE INSCRIPTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ABWCDAA*)

REPLY CODE	REPLY (AB49)
AA	AMPERES
CK	MICROAMPERES
BA	MILLIAMPERES
BB	MILLIVOLTS
CH	TEMP, IN DEG CELSIUS
CJ	TEMP, IN DEG F
AS	VOLTS

ALL*

ANSZ F SCALE MEASUREMENT RANGE

Definition: THE MINIMUM AND MAXIMUM NUMERIC VALUES REPRESENTING THE MEASUREMENT COVERAGE OF A SCALE.

Reply Instructions: Enter the numeric value, separated by a slash. Precede negative values with an M and positive values with a P. (e.g., ANSZFP0.0/P25.0*)

If a scale reads from a negative to a positive, through zero, enter the negative and positive only. (e.g., ANSZFM25.0/P25.0*)

Enter the range as it reads clockwise, left to right, or top to bottom.

ALL*

ABWF D SCALE LINEARITY

Definition: EQUAL OR UNEQUAL DISTANCES BETWEEN GRADUATIONS REPRESENTING VALUES OR MEASUREMENT ON A SCALE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ABWFDA*)

REPLY CODE	REPLY (AB51)
A	LINEARS
B	NONLINEAR

APP Key	MRC	Mode Code	Requirements

ALL*

ABWG A SCALE DIVISION QUANTITY

Definition: THE NUMBER OF SCALE DIVISIONS.

Reply Instructions: Enter the quantity. (e.g., ABWGA50*)

ALL*

APMM D DIAL SCALE MARKING COLOR

Definition: THE HUE OR TINT OF THE DIAL SCALE MARKING(S).

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., APMMDBL0000*; APMMDBL0000$$DBU0000*; APMMDBL0000$DBU0000*)

NOTE FOR MRC APMN: REPLY TO THIS MRC IF REPLY CODE WH0032 IS ENTERED FOR MRC APMM.

ALL* (See Note Above)

APMN D DIAL LUMINOUS SCALE MARKING ACTIVATION TYPE

Definition: AN INDICATION OF WHETHER OR NOT THE LUMINOUS SCALE MARKING(S) ARE ACTIVATED BY ULTRAVIOLET.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APMNDP*)

REPLY CODE	REPLY (AK58)
M	NON ULTRAVIOLET
P	ULTRAVIOLET

ALL*

AETT D INSCRIPTION BACKGROUND COLOR

Definition: THE HUE OR TINT OF THE LIGHT EMITTED FROM THAT PORTION OF THE ITEM WHICH SURROUNDS THE INSCRIPTION ON THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., AETTDBL0000*; AETTDBL0000$$DBU0000*; AETTDBL0000$DBU0000*)

ALL*

AARA A TERMINAL QUANTITY

Definition: THE NUMBER OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the quantity. If item has more than one type of terminal use AND coding ($$). (e.g., AARAA4*; AARAA2$$A4*)

ALL*

AARB D TERMINAL TYPE

Definition: INDICATES THE TYPE OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 14. (e.g., AARBDAQ*)

For multiple replies, use AND coding ($$) entering in the same sequence as replies to MRC AARA. (e.g., AARBDAQ$$DHN*)

ALL*

APMR D METER MOUNTING TYPE

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE METER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APMRDCY*)

REPLY CODE	REPLY (AA78)
BR	FLUSH
CY	SEMIFLUSH
BS	SURFACE

ALL*

APTG J METER BODY LENGTH

APP Key	MRC	Mode Code	Requirements

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE METER BODY, IN DISTINCTON FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APTGJAA0.250*; APTGJLA25.4*; APTGJAB0.245$$JAC0.250*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APTH J METER BODY WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE METER BODY, IN DISTINCTION FROM THICKNESS

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APTHJAA0.250*; APTHJLA25.4*; APTHJAB0.245$$JAC0.250*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

APTF J METER BODY DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE METER BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APTFJAA0.250*; APTFJLA25.4*; APTFAB0.245$$JAC0.250*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADMG J MOUNTING FLANGE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A FLANGE, IN DISTINCTION FROM WIDTH..

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADMGJAA0.250*; ADMGJLA25.4*; ADMGJAB0.245$$JAC0.250*)

ee Appendix B, reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADMH J MOUNTING FLANGE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A MOUNTING FLANGE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADMHJAA0.250*; ADMHJLA25.4*; ADMHJAB0.245$$JAC0.250*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APTE J MOUNTING FLANGE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE MOUNTING FLANGE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APTEJAA0.250*; APTELA25.4*; APTEJAB0.245$$JAC0.250*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APSS J METER DEPTH TO PANEL

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS OF THE METER TO THE PANEL, IN DISTINCTION FROM HEIGHT..

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APSSJAA0.250*; APSSJLA25.4*; APSSJAB0.245$$JAC0.250*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APTN J METER DEPTH TO MOUNTING FLANGE

Definition: A MEASUREMENT BETWEEN THE MOUNTING FLANGE AND THE FACE OF THE ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABPMJAA0.250*; ABPMJLA25.4*; ABPMJAB0.245$$JAC0.250*)

APP Key	MRC	Mode Code	Requirements

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APST J METER DEPTH BEHIND MOUNTING FLANGE

Definition: A MEASUREMENT BETWEEN THE MOUNTING FLANGE AND THE EXTREMITY OF THE METER, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APSTJAA0.250*; APSTJLA25.4*; APSTJAB0.245$$JAC0.250*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APSW J METER BODY DIAMETER BEHIND MOUNTING FLANGE

APP Key	MRC	Mode Code	Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE METER BODY, BEHIND THE MOUNTING FLANGE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APSWJAA0.250*; APSWJLA25.4*; APSWJAB0.245$$JAC0.250*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APSX J METER BODY LENGTH BEHIND MOUNTING FLANGE

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A METER BODY BEHIND THE MOUNTING FLANGE, IN DISTINCTION FROM WIDTH..

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APSXJAA0.250*; APSXJLA25.4*; APSXJAB0.245$$JAC0.250*)

See Appendix B, Reference Drawing Group D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL*

APSY	J	METER BODY WIDTH BEHIND MOUNTING FLANGE

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE METER BODY BEHIND THE MOUNTING FLANGE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APSYJAA0.250*; APSYJLA25.4*; APSYJAB0.245$$JAC0.250*)

See Appendix B, Reference Drawing Grouup D, for dimension location.

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADTV	D	CASE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE CASE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., ADTVDALC000*; ADTVDALC000$$DAL0000*; ADTVDALC000$DAL0000*)

ALL*

APMT	D	CONTACT CLOSING CONDITION

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF THE SPECIFIC CONDITION THAT CAUSES THE CONTACTS TO CLOSE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APMTDAC*)

REPLY CODE	REPLY (AK59)
AB	DECREASE VALUE
AC	INCREASE VALUE

ALL

APNR D RESET FACILITY FEATURE

Definition: AN INDICATION OF WHETHER OR NOT THE RESET FACILITIES ARE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APNRDC*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

ALL*

APNS D LOCK IN DEVICE TYPE

Definition: INDICATES THE TYPE OF LOCK IN DEVICE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 12. (e.g., APNSDAAH*; APNSDAAB$DAAE*)

ALL*

APNT D RELEASE METHOD

Definition: THE MEANS BY WHICH THE ITEM IS RELEASED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 13. (e.g., APNTDAAC*)

ALL*

APP Key	MRC	Mode Code	Requirements
	ADZC	D	ENVIRONMENTAL PROTECTION
	Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 8. (e.g., ADZCDAR*; ADZCDAR$$DHF*; ADZCDAR$DHF*)		
ALL*			
	ALGC	G	MOUNTING CONFIGURATION
	Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.		
	Reply Instructions: Enter the reply in clear text. (e.g., ALGCGTHREE 2.135 IN. DIA MTG HOLES SPACED 120 DEG APART ON 9.109 IN. RADIUS*)		

SECTION: L

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index of Approved Item Names. (e.g., NAMED00720*)

ALL			
	APET	D	OUTPUT MOTION

Definition: AN INDICATION OF THE SPECIFIC MECHANICAL MOTION PRODUCED BY THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APETDAG*)

REPLY CODE	REPLY (AF63)
AG	LINEAR
AT	ROTARY

NOTE FOR MRCS AMWL, APEY, AND APFA: IF REPLY CODE AG IS ENTERED FOR MRC APET, REPLY TO MRCS AMWL AND APFA. IF REPLY CODE AT IS ENTERED REPLY TO MRCS APEY AND APFA.

ALL* (See Note Above)			
	AMWL	J	STROKE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE STROKE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMWLJAA1.000*; AMWLJLA25.4*; AMWLJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AMWL)

APEY B ARC STROKE IN DEG

Definition: INDICATES THE ARC STROKE, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., APEYB90.0*)

ALL* (See Note Preceding MRC AMWL)

APFA J IMPULSE RATE

Definition: AN INDICATION OF THE NUMBER OF IMPULSES PER TIME INTERVAL.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the number of impulses. (e.g., APFAJB8*)

REPLY CODE	REPLY (AC11)
E	PER MINUTE
B	PER SECOND

ALL*

ANWD J AC OPERATING VOLTAGE RATING IN VOLTS

Definition: THE ALTERNATING CURRENT VALUES OF ROOT MEAN SQUARE POTENTIAL WHICH MUST BE APPLIED TO THE ITEM FOR OPERATION, EXPRESSED IN VOLTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ANWDJA110.0*; ANWDJB110.0$$JC115.0*)

REPLY CODE	REPLY (AC20)
A	NOMINAL

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

ALL*

APBR J DC OPERATING VOLTAGE RATING IN VOLTS

Definition: THE VALUE(S) OF DIRECT CURRENT POTENTIAL WHICH MUST BE APPLIED TO THE ITEM FOR OPERATION, EXPRESSED IN VOLTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APBRJA24.0*; APBRJB24.0$$JC25.0*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APAM J OPERATING CURRENT RATING

Definition: THE OPERATING CURRENT FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APAMJAA30.0*; APAMJAB30.0$$JAC35.0*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	APFB	J	RELEASE CURRENT RATING

Definition: THE LEVEL OF CURRENT REQUIRED TO RELEASE THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APFBJAA30.0*; APFBJAB30.0$$JAC35.0*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	AFYV	J	DC RESISTANCE RATING IN OHMS

Definition: THE OPPOSITION TO THE FLOW OF DIRECT CURRENT OFFERED BY AN ITEM, EXPRESSED IN OHMS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFYVJA60.0*; AFYVJB60.0$$JC65.0*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

	ALPY	D	POLARIZATION FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A POLARIZATION FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALPYDB*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

AARA A TERMINAL QUANTITY

Definition: THE NUMBER OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AARAA14*)

ALL*

AARB D TERMINAL TYPE

Definition: INDICATES THE TYPE OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 14. (e.g., AARBDAZ*; AARBDGD$$DBL*)

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADUM J OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA1.000*; ADUMJLA25.4*; ADUMJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ALGC G MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text.

(e.g., ALGCGTWO NO. 6-32 THD MTG STUDS LOCATED ON A 17/32 IN. RADIUS AND SPACED 180 DEGREES APART*)

SECTION: M

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index of Approved Item Names. (e.g., NAMED08410*)

ALL			
	APCS	D	ADJUSTABILITY

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM IS ADJUSTABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APCSDA*)

REPLY CODE	REPLY (AB00)
A	ADJUSTABLE
C	NONADJUSTABLE (includes fixed)

ALL*			
	APFH	J	FLASHING RATE

Definition: AN INDICATION OF THE NUMBER OF FLASHES PER TIME INTERVAL.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APFHJBA3*; APFHJBB3$$JBC4*)

Table 1

REPLY CODE	REPLY (AC11)
E	PER MINUTE
B	PER SECOND

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL*

APFK J DUTY CYCLE

Definition: AN INDICATION OF THE TIME REQUIRED FOR THE ON AND OFF CONDITIONS FOR A COMPLETE OPERATING CYCLE OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APFKJABP2.0*; APFKJACP3.0$$JACM5.0*)

Table 1

REPLY CODE	REPLY (AN36)
AC	MINUTES
AB	SECONDS

Table 2

REPLY CODE	REPLY (AK45)
M	OFF
P	ON

ALL*

APFN B ACCURACY IN PERCENT

Definition: AN INDICATION OF THE ACCURACY OF AN ITEM, EXPRESSED IN PERCENT.

Reply Instructions: Enter the numeric value. (e.g., APFNB10.0*)

ALL*

APFM D FAILURE AUTOMATIC CIRCUIT CONDITION

Definition: INDICATES THE AUTOMATIC CIRCUIT CONDITION IN CASE OF ITEM FAILURE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APFMDP*)

REPLY CODE	REPLY (AK45)
M	OFF
P	ON

APP Key	MRC	Mode Code	Requirements

ALL

APFP A CONTROLLED CIRCUIT QUANTITY

Definition: THE NUMBER OF CIRCUITS CONTROLLED BY THE ITEM.

Reply Instructions: Enter the quantity. (e.g., APFPA2*)

ALL*

APFQ J WATTAGE RATING PER CIRCUIT

Definition: THE AMOUNT OF POWER A CIRCUIT CAN SAFELY CONSUME OR PROVIDE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APFQJWA600.0*; APFQJWB600.0$$JWC625.0*)

Table 1

REPLY CODE	REPLY (AC33)
M	MILLIWATTS
W	WATTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APCM D ACTUATION TYPE

Definition: INDICATES THE TYPE OF ACTUATION PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APCMDBJ*)

REPLY CODE	REPLY (AC82)
BJ	ELECTROMECHANICAL
BA	THERMAL

APP Key	MRC	Mode Code	Requirements

ALL*

ACYN J AC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF ROOT MEAN SQUARE POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYNJVA110.0*; ACYNJVB110.0$$JVC115.0*)

Table 1

REPLY CODE	REPLY (0031)
1A	.1ST ALTERNATE OPERATING POWER RQMT
1M	1ST OPERATING POWER RQMT
1B	2ND ALTERNATE OPERATING POWER RQMT
1N	2ND OPERATING POWER RQMT
1C	3RD ALTERNATE OPERATING POWER RQMT
1P	3RD OPERATING POWER RQMT
1D	4TH ALTERNATE OPERATING POWER RQMT
1Q	4TH OPERATING POWER RQMT
1E	5TH ALTERNATE OPERATING POWER RQMT
1R	5TH OPERATING POWER RQMT
1F	6TH ALTERNATE OPERATING POWER RQMT
1S	6TH OPERATING POWER RQMT
1G	7TH ALTERNATE OPERATING POWER RQMT
1T	7TH OPERATING POWER RQMT
1H	8TH ALTERNATE OPERATING POWER RQMT
1U	8TH OPERATING POWER RQMT
1J	9TH ALTERNATE OPERATING POWER RQMT
1V	9TH OPERATING POWER RQMT
1K	10TH ALTERNATE OPERATING POWER RQMT
1W	10TH OPERATING POWER RQMT
1L	11TH ALTERNATE OPERATING POWER RQMT
1X	11TH OPERATING POWER RQMT

Table 2

REPLY CODE	REPLY (AC20)
C	MAXIMUM
L	MILLIVOLTS
B	MINIMUM
A	NOMINAL
V	VOLTS

Table 3

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ACZB J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0*; ACZBJEB60.0$$JEC65.0*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ
1M	1ST OPERATING POWER RQMT
1N	2ND OPERATING POWER RQMT
1P	3RD OPERATING POWER RQMT
1Q	4TH OPERATING POWER RQMT
1E	5TH ALTERNATE OPERATING POWER RQMT
1R	5TH OPERATING POWER RQMT
1F	6TH ALTERNATE OPERATING POWER RQMT
1S	6TH OPERATING POWER RQMT
1G	7TH ALTERNATE OPERATING POWER RQMT
1T	7TH OPERATING POWER RQMT
1H	8TH ALTERNATE OPERATING POWER RQMT
1U	8TH OPERATING POWER RQMT
1J	9TH ALTERNATE OPERATING POWER RQMT
1V	9TH OPERATING POWER RQMT
1K	10TH ALTERNATE OPERATING POWER RQMT
1W	10TH OPERATING POWER RQMT
1L	11TH ALTERNATE OPERATING POWER RQMT
1X	11TH OPERATING POWER RQMT

Table 2

REPLY CODE	REPLY (AC20)
C	MAXIMUM
M	MEGAHERTZ
B	MINIMUM
A	NOMINAL

APP Key	MRC	Mode Code	Requirements

Table 3

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB*; FAAZDA$$DC*; FAAZDA$DC*)

Table 1

REPLY CODE	REPLY (0031)
1A	1ST ALTERNATE OPERATING POWER RQMT
1M	1ST OPERATING POWER RQMT
1B	2ND ALTERNATE OPERATING POWER RQMT
1N	2ND OPERATING POWER RQMT
1C	3RD ALTERNATE OPERATING POWER RQMT
1P	3RD OPERATING POWER RQMT
1D	4TH ALTERNATE OPERATING POWER RQMT
1Q	4TH OPERATING POWER RQMT
1E	5TH ALTERNATE OPERATING POWER RQMT
1R	5TH OPERATING POWER RQMT
1F	6TH ALTERNATE OPERATING POWER RQMT
1S	6TH OPERATING POWER RQMT
1G	7TH ALTERNATE OPERATING POWER RQMT
1T	7TH OPERATING POWER RQMT
1H	8TH ALTERNATE OPERATING POWER RQMT
1U	8TH OPERATING POWER RQMT
1J	9TH ALTERNATE OPERATING POWER RQMT
1V	9TH OPERATING POWER RQMT
1K	10TH ALTERNATE OPERATING POWER RQMT
1W	10TH OPERATING POWER RQMT
1L	11TH ALTERNATE OPERATING POWER RQMT
1X	11TH OPERATING POWER RQMT

Table 2

REPLY CODE	REPLY (AD02)
A	SINGLE
C	THREE
B	TWO

APP Key	MRC	Mode Code	Requirements

ALL*

ACYR J DC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYRJVA110.0*; ACYRJVB110.0$$JVC115.0*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS
1M	1ST OPERATING POWER RQMT
1N	2ND OPERATING POWER RQMT
1P	3RD OPERATING POWER RQMT
1Q	4TH OPERATING POWER RQMT
1R	5TH OPERATING POWER RQMT
1F	6TH ALTERNATE OPERATING POWER RQMT
1S	6TH OPERATING POWER RQMT
1G	7TH ALTERNATE OPERATING POWER RQMT
1T	7TH OPERATING POWER RQMT
1H	8TH ALTERNATE OPERATING POWER RQMT
1U	8TH OPERATING POWER RQMT
1J	9TH ALTERNATE OPERATING POWER RQMT
1V	9TH OPERATING POWER RQMT
1K	10TH ALTERNATE OPERATING POWER RQMT
1W	10TH OPERATING POWER RQMT
1L	11TH ALTERNATE OPERATING POWER RQMT
1X	11TH OPERATING POWER RQMT

Table 2

REPLY CODE	REPLY (AC20)
C	MAXIMUM
L	MILLIVOLTS
B	MINIMUM
A	NOMINAL
V	VOLTS

Table 3

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APFS D BATTERY OPERATION FACILITY

Definition: AN INDICATION OF WHETHER OR NOT A FACILITY FOR BATTERY OPERATION IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APFSDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

ALL

AARA A TERMINAL QUANTITY

Definition: THE NUMBER OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AARAA2*)

ALL*

AARB D TERMINAL TYPE

Definition: INDICATES THE TYPE OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 14. (e.g., AARBDBC*; AARBDAF$DAG*)

ALL*

APGQ A LAMP QUANTITY FOR WHICH DESIGNED

Definition: THE NUMBER OF LAMPS FOR WHICH THE ITEM IS DESIGNED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the quantity. Do not include the pilot lamp. (e.g., APGQA3*)

ALL*

APGS J LAMP POWER RATING FOR WHICH DESIGNED

Definition: THE RATED POWER OF THE LAMP(S) FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APGSJWA25.0*; APGSJWB25.0$$JWC30.0*)

Table 1

REPLY CODE	REPLY (AK52)
A	AMPERES
C	CANDLEPOWER
W	WATTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APHC D OPERATING MECHANISM INCLOSURE

Definition: AN INDICATION OF WHETHER OR NOT AN OPERATING MECHANISM INCLOSURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHCDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

ADZC D ENVIRONMENTAL PROTECTION

APP
Key MRC Mode Code Requirements

Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 8. (e.g., ADZCDAQ*; ADZCDAQ$$DBS*; ADZCDAQ$DBS*)

Reply to dimensional MRCs ABHP, ABKW, ABMK, ADAV, and ABFY only when applicable to the item being described. Give dimensions excluding terminals.

ALL* (See Note Above)

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABHP)

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABHP)

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABHP)

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABHP)

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ALGC G MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALGCG4 MTG HOLES 1/4 IN. DIA ON 1 IN. BY 2 IN. MTG CENTERS*)

SECTION: N

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
	Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.		
	Reply Instructions: Enter the applicable Item Name Code from the index of Approved Item Names. (e.g., NAMED00448*)		
ALL			
	APCL	D	RELAY TYPE
	Definition: INDICATES THE TYPE OF RELAY(S) PROVIDED.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 9. (e.g., APCLDAB*)		
ALL*			
	AEEA	D	SWITCH TYPE
	Definition: INDICATES THE TYPE OF SWITCH INCLUDED IN THE ITEM.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AEEADAG*)		
ALL*			
	AFTL	A	CONTACT FORM ARRANGEMENT
	Definition: THE QUANTITY AND COMBINATION(S) OF THE BASIC CONTACT FORMS, IN THE ORDER OF ASSEMBLAGE, WHICH MAKE UP THE SWITCHING STRUCTURE OF THE ITEM.		
	Reply Instructions: Enter the applicable Reply Code from Appendix B , Reference Drawing Group A. (e.g., AFTLA2BV1C1B*)		
ALL*			
	CPWK	A	CONTACT ARRANGEMENT
	Definition: THE DESIGNATION THAT IDENTIFIES THE SCHEMATIC DIAGRAM OF THE CONTACT CONFIGURATION.		

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the quantity and contact form arrangements. (e.g., CPWKA1SPSTNO*)

ALL*

APFX D CONTACT CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT USED WITH THE CONTACT(S).

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APFXDB*; APFXDB$$DC*; APFXDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

ALL

APFY B MAXIMUM VOLTAGE RATING IN VOLTS

Definition: THE MAXIMUM VOLTAGE RATING AT WHICH THE ITEM IS DESIGNED TO OPERATE, EXPRESSED IN VOLTS.

Reply Instructions: Enter the numeric value. (e.g., APFYB30.0*)

ALL

APGW J CURRENT RATING AT MAXIMUM RATED VOLTAGE

Definition: THE AMOUNT OF CURRENT AT MAXIMUM RATED VOLTAGE FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APGWJAAB30.0*)

When both nominal and resistive (noninductive) current ratings are specified, enter only the nominal rating(s).

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AK53)
AB	NOMINAL
AC	RESISTIVE

ALL*

APGX J MAXIMUM CURRENT RATING IN AMPS

Definition: THE MAXIMUM AMOUNT OF CURRENT FOR WHICH THE ITEM IS DESIGNED, EXPRESSED IN AMPERES.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APGXJAB15.0*)

When both nominal and resistive (noninductive) current ratings are specified, give only the nominal ratings(s). If the rating is identical to the rating given in reply to MRC APGW, do not reply to this requirement.

REPLY CODE	REPLY (AK53)
AB	NOMINAL
AC	RESISTIVE

ALL

APGY J VOLTAGE RATING AT MAXIMUM RATED CURRENT

Definition: THE AMOUNT OF VOLTAGE FOR WHICH THE ITEM IS DESIGNED TO WITHSTAND AT THE MAXIMUM RATED CURRENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APGYJV30.0*)

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

APP Key	MRC	Mode Code	Requirements

ALL

APGZ D COIL CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT FOR WHICH THE COIL IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGZDB*; APGZDB$$DC*; APGZDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

ALL*

APHA J OPERATING VOLTAGE IN VOLTS

Definition: THE AMOUNT OF OPERATING VOLTAGE, EXPRESSED IN VOLTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APHAJA120.0*; APHAJB120.0$$JC125.0*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APHB J OPERATING CURRENT IN AMPS

Definition: THE AMOUNT OF OPERATING CURRENT, EXPRESSED IN AMPERES.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APHBJA1.5*; APHBJB1.5$$JC2.0*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements
ALL*	APJX	B	MAXIMUM DC RESISTANCE IN OHMS
			Definition: THE MAXIMUM OPPOSITION TO THE FLOW OF DIRECT CURRENT, EXPRESSED IN OHMS.
			Reply Instructions: Enter the numeric value. (e.g., APJXB700.0*)
ALL*	APJY	A	NONINDUCTIVE WINDING QUANTITY
			Definition: THE NUMBER OF NONINDUCTIVE WINDINGS.
			Reply Instructions: Enter the quantity. (e.g., APJYA10*)
ALL*	APLQ	A	SWITCH CONTACT ARRANGEMENT
			Definition: THE DESIGNATION THAT IDENTIFIES THE SCHEMATIC DIAGRAM OF THE ELECTRICAL CONFIGURATION OF A SWITCH.
			Reply Instructions: Enter the quantity and contact form arrangement. (e.g., APLQA1SPSTNO*)
ALL*	APLR	A	SWITCH CONTACT FORM ARRANGEMENT
			Definition: THE NUMBER AND COMBINATION(S) OF THE BASIC CONTACT FORMS, IN THE ORDER OF ASSEMBLAGE, THAT MAKE UP THE SWITCHING STRUCTURE OF THE SWITCH.
			Reply Instructions: Enter the quantity and contact form designation in accordance with the instructions in Appendix B , Reference Drawing Group A. (e.g., APLRA2A*)
ALL*	ACDC	D	CURRENT TYPE
			Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$$DC*; ACDCDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

ALL*

APLS B CONTACT MAXIMUM VOLTAGE RATING IN VOLTS

Definition: THE MAXIMUM VOLTAGE RATING AT WHICH THE CONTACT IS RATED, EXPRESSED IN VOLTS.

Reply Instructions: Enter the numeric value. (e.g., APLSB10.0*)

ALL*

APLT J CONTACT CURRENT RATING AT MAXIMUM RATED VOLTAGE

Definition: THE AMOUNT OF CURRENT AT MAXIMUM RATED VOLTAGE FOR WHICH THE CONTACT(S) IS DESIGNED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APLTJAAB10.0*)

When both nominal and resistive (noninductive) current ratings are specified, give only the nominal rating(s).

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AK53)
AB	NOMINAL
AC	RESISTIVE

APP Key	MRC	Mode Code	Requirements
ALL*			
	APLW	J	CONTACT MAXIMUM RATED CURRENT

Definition: THE MAXIMUM AMOUNT OF CURRENT THE CONTACT(S) WILL ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APLWJAAB30.0*)

When both nominal and resistive (noninductive) current ratings are specified, give only the nominal rating(s). If the rating is identical to the rating given in reply to MRC APLT, do not reply to this requirement.

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AK53)
AB	NOMINAL
AC	RESISTIVE

ALL*			
	APLX	B	CONTACT VOLTAGE RATING AT MAXIMUM RATED CURRENT

Definition: AN INDICATION OF THE AMOUNT OF VOLTAGE FOR WHICH THE CONTACT(S) IS DESIGNED TO WITHSTAND AT THE MAXIMUM RATED CURRENT.

Reply Instructions: Enter the numeric value. (e.g., APLXB10.0*)

ALL*			
	APLY	A	CIRCUIT OVERLOAD PROTECTOR CONTACT ARRANGEMENT

Definition: THE DESIGNATION THAT IDENTIFIES THE SCHEMATIC DIAGRAM OF THE ELECTRICAL CONFIGURATION OF THE CIRCUIT OVERLOAD PROTECTOR.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the quantity and contact form arrangements. (e.g., APLYA1SPSTNO*)

ALL*

APLZ J CONTINUOUS LOAD AC VOLTAGE

Definition: THE ALTERNATING CURRENT VOLTAGE OF THE CONTINUOUS LOAD.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APLZJVA10.0*; APLZJVB10.0$$JVC15.0*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APMA J CONTINUOUS LOAD FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APMAJEA25.0*; APMAJEB25.0$$JEC30.0*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL*

APMB J CONTINUOUS LOAD AC CURRENT RATING

Definition: THE ALTERNATING CURRENT RATING OF THE CONTINUOUS LOAD.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APMBJAA30.0*.; APMBJAB30.0$$JAC35.0*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APMC J CONTINUOUS LOAD DC VOLTAGE RATING

Definition: THE VALUE(S), OR RANGE OF VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE CONTINUOUS LOAD IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APMCJVA30.0*; APMCJVB30.0$$JVC35.0*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL*

APMD J CONTINUOUS LOAD DC CURRENT RATING

Definition: THE DIRECT CURENT RATING OF THE CONTINUOUS LOAD.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APMDJAA100.0*; APMDJAB100.0$$JAC110.0*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APME J INTERRUPTING CAPACITY

Definition: THE INTERRUPTING CAPACITY OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APMEJAA300.0*; APMEJAB300.0$$JAC325.0*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL*

APMF B MINIMUM TRIPPING CURRENT IN PERCENT

Definition: THE MINIMUM PERCENT OF CURRENT USED TO TRIP THE ITEM, EXPRESSED IN PERCENT.

Reply Instructions: Enter the numeric value. (e.g., APMFB112.5*)

When the source document cites a range, enter the upper limit of the range only.

ALL*

AMWM D ACTION TYPE

Definition: INDICATES THE TYPE OF ACTION PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMWMDAR*)

REPLY CODE	REPLY (AJ27)
AR	INSTANTANEOUS
AQ	TIME DELAY

NOTE FOR MRCS APMG AND APMH: REPLY TO THESE MRCS WHEN REPLY CODE AQ IS ENTERED FOR MRC AMWM.

ALL* (See Note Above)

APMG B TRIPPING TIME IN SECONDS

Definition: THE AMOUNT OF TIME REQUIRED FOR TRIPPING THE ITEM.

Reply Instructions: Enter the numeric value. (e.g., APMGB10.0*)

ALL* (See Note Preceding MRC APMG)

APMH B CONTINUOUS LOAD PERCENTAGE PER SPECIFIED TRIPPING ACTION TIME

APP Key	MRC	Mode Code	Requirements

Definition: THE CONTINUOUS LOAD PERCENTAGE FOR THE SPECIFIED TRIPPING TIME OF THE ITEM.

Reply Instructions: Enter the numeric value. (e.g., APMHB125.0*)

ALL*

APMJ D TRIP TYPE

Definition: INDICATES THE TYPE OF TRIPPING ACTION USED BY THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APMJDAB*)

REPLY CODE	REPLY (AK64)
AC	NONTRIP FREE
AB	TRIP FREE

ALL*

ANJG D PANEL MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE PANEL IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., ANJGDSLB000*; ANJGDSLB000$$DSLL000*; ANJGDSLB000$DSLL000*)

ALL*

SURF D SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., SURFDAN0000*; SURFDENC000$$DLQC000*; SURFDENC000$DLQC000*)

ALL*

ABBH D INCLOSURE MATERIAL

APP Key	MRC	Mode Code	Requirements

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE INCLOSURE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., ABBHDALC000*; ABBHDALC000$$DAL0000*; ABBHDALC000$DAL0000*)

ALL*

APMK D INCLOSURE SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF OF THE INCLOSURE SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., APMKDBA0000*; APMKDBA000$$DCLA000*; APMKDBA0000$DCLA000*)

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ALGC G MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

APP Key	MRC	Mode Code	Requirements
	Reply Instructions: Enter the reply in clear text. (e.g., ALGCGONE NO. 6-32 THD AND TWO NO. 4-40 THD SCREWS IRREGULARLY SPACED*)		

SECTION: P

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index of Approved Item Name. (e.g., NAMED00203*)

ALL*			
	APHE	D	OPERATION METHOD

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDCG*)

REPLY CODE	REPLY (AC58)
CF	MANUAL
CG	MOTOR DRIVEN

ALL*			
	AFDL	J	MAXIMUM RADIO FREQUENCY RATING

Definition: THE MAXIMUM FREQUENCY AT WHICH THE ITEM IS RATED FOR OPERATION WHEN USED IN RADIO FREQUENCY CIRCUITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFDLJE60.0*)

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

ALL*			
	AKWC	D	ELECTRICAL POWER SOURCE

APP Key	MRC	Mode Code	Requirements

RELATIONSHIP

Definition: THE RELATIONSHIP OF THE ELECTRICAL POWER SOURCE TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKWCDAB*)

A self-contained power source shall be interpreted as being a power source, such as a gasoline or diesel engine generator, or vehicular electrical system when the vehicle utilized as the power source is included in the item.

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating. Under this condition reply only alternate operating.

When the item is powered by external power source(s) only, it is considered operating. When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

REPLY CODE	REPLY (AH00)
AB	ALTERNATE OPERATING
AC	OPERATING
AD	SELF-CONTAINED

NOTE FOR MRCS ACYN, ACZB, FAAZ, ACYR, AND ALSF: REPLY TO THESE MRCS, AS APPLICABLE, IF REPLY CODE AB OR AC IS ENTERED FOR MRC AKWC. DO NOT ENTER REPLIES FOR SELF-CONTAINED POWER SOURCES. FOR MULTIPLE REPLIES, REFER TO THE I/SAC TABLE IN APPENDIX C, TABLE 1.

ALL (See Note Above)*

ACYN J AC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF ROOT MEAN SQUARE POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable ISAC from Appendix C , Table 1, followed by the mode code, the Reply Codes from Tables 1 and 2 below, and the numeric value. (e.g., ACYN1AJVA110.0; ACYN1AJVA110.0$$JVA115.0*; ACYN1BJVB110.0$$JVC115.0*)*

Table 1

REPLY CODE	*REPLY (AB63)*
K	*KILVOLTS*
M	*MEGAVOLTS*
U	*MICROVOLTS*
L	*MILLIVOLTS*
V	*VOLTS*

Table 2

REPLY CODE	*REPLY (AC20)*
A	*NOMINAL*
B	*MINIMUM*
C	*MAXIMUM*

ALL* (See Note Preceding MRC ACYN)

ACZB J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable ISAC from Appendix C , Table 1, followed by the Reply Codes from Tables 1 and 2 below, and the numeric value. (e.g., ACZB1AJEA60.0*; ACZB1BJEB50.0$$JEC60.0*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL (See Note Preceding MRC ACYN)*

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable ISAC from Appendix C , Table 1, and the applicable Reply Code from the table below. (e.g., FAAZ1ADA)*

REPLY CODE	REPLY (AD02)
A	SINGLE
C	THREE
B	TWO

ALL (See Note Preceding MRC ACYN)*

ACYR J DC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable ISAC from Appendix C , Table 1, the Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYR1AJVA110.0; ACYR1BJVA110.0$$JVA220.0*; ACYR1CJVB110.0$$JVC120.0*)*

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL (See Note Preceding MRC ACYN)*

ALSF D INTERNAL BATTERY ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT A FACILITY(IES) TO ACCOMMODATE A BATTERY(IES) IS INCLUDED.

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1 and the Reply Code from the table below. (e.g., ALSF1ADB; ALSF1BDB$DC*)*

REPLY CODE	*REPLY (AA49)*
B	*INCLUDED*
C	*NOT INCLUDED*

NOTE FOR MRCS AFHS, AFJH, AKVY, AKVZ, AND AJJX: IF THE REPLY TO MRC AFHS WILL BE GREATER THAN TEN, OMIT, AND ENTER REPLIES TO MRCS AJJX, AJJZ, AJKA, AND AJKB. IF THE REPLY TO MRC AFHS WILL BE TEN OR LESS, OMIT REPLY TO MRC AJJX AND REPLY TO MRCS AFHS, AFJH, AKVY, AND AKVZ.

ALL* (See Note Above)

AFHS A ACCESSORY COMPONENT QUANTITY

Definition: THE NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the numeric value. (e.g., AFHSA4*)

ALL* (See Note Preceding MRC AFHS)

AFJH G FURNISHED ITEMS

Definition: ITEMS FURNISHED AS ACCESSORIES WHICH ARE NOT SPECIFIED ELSEWHERE.

Reply Instructions: Enter the reply in clear text. (e.g., AFJHGRECEIVER*)

ALL* (See Note Preceding MRC AFHS)

AKVY G ACCESSORY CONTROLLING AGENCY

Definition: THE NAME OF THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION THAT CONTROLS THE MANUFACTURE OF THE ACCESSORY ITEM.

Reply Instructions: Enter the controller's name. (e.g., AKVYGSIGNAL CORPS*)

ALL* (See Note Preceding MRC AFHS)

AKVZ J ACCESSORY IDENTIFYING NUMBER

Definition: THE SPECIFIC NUMBER USED TO IDENTIFY THE ACCESSORY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the identifying number. (e.g., AKVZJAE79614*; AKVZJAE79614$$JAF23*)

REPLY CODE	REPLY (AG99)

AB	DRAWING NO.
AC	MODEL NO.
AD	PART NO.
AE	SERIAL NO.
AF	TYPE NO.

ALL* (See Note Preceding MRC AFHS)

AJJX D COMPONENT DOCUMENT ORIGIN

Definition: THE ORIGINATOR (GOVERNMENTAL, INDUSTRIAL, OR OTHERWISE) OF THE AVAILABLE DOCUMENT WHICH LISTS THE COMPONENT(S) OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJJXDAF*; AJJXDAF$$DAD*)

REPLY CODE	REPLY (AF59)
AF	GOVERNMENT
AD	INDUSTRIAL

NOTE FOR MRCS AJJY, AJJZ, AJKA, AND AJKB: REPLY TO THESE MRCS IF REPLY CODE AF OR AD IS ENTERED FOR MRC AJJX.

ALL* (See Note Above)

AJJY A DOCUMENT SOURCE

Definition: THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE GOVERNMENT AGENCY, INDUSTRIAL ORGANIZATION, OR OTHER SOURCE, WHICH CONTROLS THE DOCUMENT.

Reply Instructions: Enter the 5-position CAGE code. (e.g., AJJYA12345*; AJJYA12345$$A67890*)

ALL* (See Note Preceding MRC AJJY)

AJJZ D DOCUMENT TYPE

Definition: INDICATES THE TYPE OF DOCUMENT BY THE TITLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJJZDAB*; AJJZDAB$$DAD*)

REPLY CODE	REPLY (AF70)
AE	FEDERAL SPECIFICATION
AC	MILITARY SPECIFICATION

AF	MILITARY STANDARD
AB	TECHNICAL MANUAL
AD	TRAINING MANUAL

ALL* (See Note Preceding MRC AJJY)

AJKA A DOCUMENT IDENTIFICATION

Definition: THE NUMBER OR SYMBOL USED TO IDENTIFY THE DOCUMENT.

Reply Instructions: Enter the number of the document.

(e.g., AJKAAMIL-F-1234*;

AJKAATM-5-225*;

AJKAAMIL-F-1234$$ATM-5-225*)

ALL* (See Note Preceding MRC AJJY)

AJKB A COMPONENT DOCUMENT PAGE NUMBER

Definition: THE PAGE NUMBER INDICATING THE LOCATION OF THE COMPONENT(S) LISTED IN THE DOCUMENT.

Reply Instructions: Enter the page number. (e.g., AJKBA119*; AJKBA119$$A120*)

ALL*

AKWA G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM NAME

Definition: THE NAME ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the applicable name in clear text. (e.g., AKWAGPUBLIC ADDRESS SET*)

ALL*

AKWB G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM TYPE NUMBER

Definition: THE TYPE NUMBER ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the type number.

(e.g., AKWBGAN/123-4*)

SECTION: Q

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index of Approved Item Names. (e.g., NAMED16234*)

QA

APHG	D	LOBING METHOD

Definition: THE MEANS USED TO SHIFT THE RADIATION PATTERN OF AN ANTENNA.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHGDC*)

REPLY CODE	REPLY (AE34)
M	CAPACITOR
C	SWITCH

QB*

APHH	D	SWITCH OPERATION METHOD

Definition: THE MEANS USED TO OPERATE THE SWITCH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHHDCJ*)

REPLY CODE	REPLY (AC58)
CJ	ELECTROMAGNETIC
CE	MAGNETIC
CF	MANUAL
CG	MOTOR DRIVEN
CK	OIL-DYNE PUMP
BP	SOLENOID

APP Key	MRC	Mode Code	Requirements

QB*

APHJ D SWITCH ACTION TYPE

Definition: INDICATES THE TYPE OF SWITCH ACTION.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 11. (e.g., APHJDAJ*)

QB*

APHK A SWITCH POLE QUANTITY

Definition: THE TOTAL NUMBER OF POLES CONTAINED IN A SWITCH.

Reply Instructions: Enter the quantity. (e.g., APHKA3*)

QB*

AFTM A SWITCH POSITION QUANTITY

Definition: THE NUMBER OF INDEXED POSITIONS TO WHICH THE SWITCH ACTUATOR MAY BE MOVED.

Reply Instructions: Enter the quantity. (e.g., AFTMA3*)

QB*

APHL D SWITCH OFF POSITION

Definition: AN INDICATION OF WHETHER OR NOT AN OFF POSITION IS INCLUDED IN THE SWITCH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHLDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

QA

AMPJ D MOTOR

Definition: AN INDICATION OF WHETHER OR NOT A MOTOR IS INCLUDED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMPJDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

QA*, QB*, QC

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$$DC*; ACDCDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

QA*, QB*, QC

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value of the voltage required to operate the unit. (e.g., ELECB115.0*)

QA*, QB*, QC*

ACZB J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0*; ACZBJEB60.0$$JEC65.0*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ

APP Key	MRC	Mode Code	Requirements
		K	KILOHERTZ
		M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

QA*, QB*, QC*

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB*; FAAZDA$$DC*; FAAZDA$DC*)

REPLY CODE	REPLY (AD02)
A	SINGLE
C	THREE
B	TWO

ALL*

AMPS B CURRENT RATING IN AMPS

Definition: THE ELECTRICAL CURRENT RATING, EXPRESSED IN AMPERES.

Reply Instructions: Enter the numeric value. (e.g., AMPSB30.0*)

QB*

ANPZ D INCLOSURE FEATURE

Definition: AN INDICATION OF THE FEATURE(S) OF THE INCLOSURE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANPZDAAC*)

REPLY CODE	REPLY (AJ95)
AAC	CLOSED FRAME
AAD	DRIPPROOF

APP Key	MRC	Mode Code	Requirements
		AAZ	FULLY INCLOSED
		AAP	OPEN
		ABD	SEMIDUSTPROOF
		AAX	WATERTIGHT
		ABC	WEATHERPROOF

QA*

ADTV D CASE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE CASE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., ADTVDALC000*; ADTVDALC000$$DAL0000*; ADTVDALC000$DAL0000*)

QB

APHP D MANUAL OPERATION FACILITY

Definition: AN INDICATION OF WHETHER OR NOT A MANUAL OPERATION FACILITY IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHPDC*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

QA*, QB*

ALGC G MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALGCGTHREE SETS OF 4 HOLES SPACED ON 1.28 IN. BY 1.28 IN. MTG CENTER*)

QC*

ANWL A INPUT CHANNEL QUANTITY

Definition: THE NUMBER OF INPUT CHANNEL(S) INCORPORATED IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ANWLA2*)

For multiple channels having different impedance ratings, use AND coding ($$) entering the quantities of each. (e.g., ANWLA1$$A2*)

NOTE FOR MRCs CBBL AND FEAT: E MODE REPLIES WILL NOT BE ACCEPTED IN REPLY TO MRC CBBL. IF A REPLY IS NOT REFERENCED ON THE TABLE FOR MRC CBBL, ENTER THE FEATURE IN REPLY TO MRC FEAT.

(See Note Above)

CBBL D FEATURES PROVIDED

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CBBLDFNY*)

REPLY CODE	REPLY (AN47)

APP Key	MRC	Mode Code	Requirements
		FNY	ROHS DIRECTIVE COMPLIANCE

SECTION: R

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index of Approved Item Names. (e.g., NAMED15352*)

ALL

	AFRA	A	CONTACT QUANTITY

Definition: THE NUMBER OF CONTACTS WHICH PROVIDE ELECTRICAL CONNECTION.

Reply Instructions: Enter the quantity. (e.g., AFRAA6*; AFRAA6$$A9*)

NOTE FOR MRCS AKSF, ANNQ, APFX, APLS, APLT, APLW, APLX, AND APMX: FOR MULTIPLE REPLIES USE AND CODING ($$), ENTERING IN THE SAME SEQUENCE AS MRC AFRA.

ALL* (See Note Above)

	AKSF	D	CONTACT TYPE

Definition: INDICATES THE TYPE OF CONTACT(S) INCLUDED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKSFDAB*; AKSFDAB$$DDE*)

REPLY CODE	REPLY (AG81)
AB	BUTTON
DE	FINGER
DF	REED
BK	SCREW
AC	SLIDING
AD	SPRING LEAF

ALL* (See Note Preceding MRC AKSF)

	ANNQ	H	MATERIAL AND LOCATION

APP Key	MRC	Mode Code	Requirements

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT, AND ITS LOCATION.

Reply Instructions: Enter the applicable Reply Codes from Appendix A , Table 2 and the table below. (e.g., ANNQHBR0000DGH*; ANNQHDFC000DGH$$HPC0000DGH*; ANNQHDFC000DGH$HPC0000DGH*)

When multiple or optional materials are specified for more than one location, use AND/OR coding ($$/$). AND/OR Coding ($$/$) will be used to separate multiple locations and to separate materials. (e.g., ANNQHDFC000DGJ$$HPC0000DGJ*; ANNQHDFC000CFA$HPC0000CFA*)

REPLY CODE	REPLY (AJ91)
DGH	CONTACT
DGJ	CONTACTING SURFACE
CFA	POINT

ALL* (See Note Preceding MRC AKSF)

APFX D CONTACT CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT USED WITH THE CONTACT(S).

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APFXDB*; APFXDB$$DC*; APFXDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

ALL* (See Note Preceding MRC AKSF)

APLS B CONTACT MAXIMUM VOLTAGE RATING IN VOLTS

Definition: THE MAXIMUM VOLTAGE RATING AT WHICH THE CONTACT IS RATED, EXPRESSED IN VOLTS.

Reply Instructions: Enter the numeric value. (e.g., APLSB125.0*; APLSB125.0$$B130.0*)

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC AKSF)

APLT J CONTACT CURRENT RATING AT MAXIMUM RATED VOLTAGE

Definition: THE AMOUNT OF CURRENT AT MAXIMUM RATED VOLTAGE FOR WHICH THE CONTACT(S) IS DESIGNED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. When both nominal and resistive (noninductive) current ratings are specified, give only the nominal rating(s). (e.g., APLTJAAB20.0*; APLTJAAB20.0$$JAAB25.0*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AK53)
AB	NOMINAL
AC	RESISTIVE

ALL* (See Note Preceding MRC AKSF)

APLW J CONTACT MAXIMUM RATED CURRENT

Definition: THE MAXIMUM AMOUNT OF CURRENT THE CONTACT(S) WILL ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. When both nominal and resistive (noninductive) current ratings are specified, give only the nominal rating(s). (e.g., APLWJAAB25.0*; APLWJAAB25.0$$JAAB30.0*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AK53)

APP Key	MRC	Mode Code	Requirements
		AB	NOMINAL
		AC	RESISTIVE

ALL* (See Note Preceding MRC AKSF)

APLX B CONTACT VOLTAGE RATING AT MAXIMUM RATED CURRENT

Definition: AN INDICATION OF THE AMOUNT OF VOLTAGE FOR WHICH THE CONTACT(S) IS DESIGNED TO WITHSTAND AT THE MAXIMUM RATED CURRENT.

Reply Instructions: Enter the numeric value. (e.g., APLXB115.0*; APLXB115.0$$B120.0*)

ALL* (See Note Preceding MRC AKSF)

APMX J WATTAGE RATING AT MAXIMUM RATED CURRENT

Definition: THE WATTAGE RATING OF THE ITEM AT THE MAXIMUM CURRENT RATING.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APMXJW150.0*; APMXJW150.0$$JW160.0*)

REPLY CODE	REPLY (AC33)
L	KILOWATTS
M	MILLIWATTS
W	WATTS

ALL*

AKYD G ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGBRACKET, MTG 1*)

SECTION: S

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index of Approved Item Names. (e.g., NAMED03890*)

ALL			
	ALXF	D	STRUCTURAL DESIGN

Definition: THE BASIC STRUCTURE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALXFDAF*)

REPLY CODE	REPLY (AH79)
AF	NONPILE-UP (a contact arrangement that is described in terms of poles and throws)
AE	PILE-UP (a contact arrangement that is described in terms of contact arrangement forms)
BL	SECTIONAL

NOTE FOR MRCS AFTL, CPWK, AND BWGP: REPLY TO MRC AFTL IF REPLY CODE AE IS ENTERED FOR MRC ALXF. REPLY TO MRC CPWK IF REPLY CODE AF IS ENTERED FOR MRC ALXF. REPLY TO MRC BWGP IF REPLY CODE BL IS ENTERED FOR MRC ALXF.

ALL* (See Note Above)			
	AFTL	A	CONTACT FORM ARRANGEMENT

Definition: THE QUANTITY AND COMBINATION(S) OF THE BASIC CONTACT FORMS, IN THE ORDER OF ASSEMBLAGE, WHICH MAKE UP THE SWITCHING STRUCTURE OF THE ITEM.

Reply Instructions: Enter the quantity and contact form designation in accordance with instructions in Appendix B , Reference Drawing Group A. (e.g., AFTLA1A*)

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC AFTL)

CPWK A CONTACT ARRANGEMENT

Definition: THE DESIGNATION THAT IDENTIFIES THE SCHEMATIC DIAGRAM OF THE CONTACT CONFIGURATION.

Reply Instructions: Enter the quantity and contact form arrangements. (e.g., CPWKA1SPSTNO*)

ALL* (See Note Preceding MRC AFTL)

BWGP A SECTION QUANTITY

Definition: THE NUMBER OF SECTIONS INCLUDED.

Reply Instruction: Enter the quantity. (e.g., BWGPA2*)

ALL*

APFX D CONTACT CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT USED WITH THE CONTACT(S).

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APFXDB*; APFXDB$$DC*; APFXDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

NOTE FOR MRCS APLS, APLT, APLW, AND APLX: REPLY TO THESE MRCS IF A REPLY IS ENTERED FOR MRC APFX.

ALL* (See Note Above)

APLS B CONTACT MAXIMUM VOLTAGE RATING IN VOLTS

Definition: THE MAXIMUM VOLTAGE RATING AT WHICH THE CONTACT IS RATED, EXPRESSED IN VOLTS.

Reply Instructions: Enter the numeric value. (e.g., APLSB125.0*)

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC APLS)

APLT J CONTACT CURRENT RATING AT MAXIMUM RATED VOLTAGE

Definition: THE AMOUNT OF CURRENT AT MAXIMUM RATED VOLTAGE FOR WHICH THE CONTACT(S) IS DESIGNED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. When both nominal and resistive (noninductive) current ratings are specified, give only the nominal rating(s). (e.g., APLTJAAB1.0*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AK53)
AB	NOMINAL
AC	RESISTIVE

ALL* (See Note Preceding MRC APLS)

APLW J CONTACT MAXIMUM RATED CURRENT

Definition: THE MAXIMUM AMOUNT OF CURRENT THE CONTACT(S) WILL ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. When both nominal and resistive (noninductive) current ratings are specified, give only the nominal rating(s). (e.g., APLWJAAB20.0*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AK53)
AB	NOMINAL

APP Key	MRC	Mode Code	Requirements
		AC	RESISTIVE

ALL* (See Note Preceding MRC APLS)

APLX B CONTACT VOLTAGE RATING AT MAXIMUM RATED CURRENT

Definition: AN INDICATION OF THE AMOUNT OF VOLTAGE FOR WHICH THE CONTACT(S) IS DESIGNED TO WITHSTAND AT THE MAXIMUM RATED CURRENT.

Reply Instructions: Enter the numeric value. (e.g., APLXB115.0*)

ALL

CPWL A COIL WINDING QUANTITY

Definition: THE NUMBER OF COIL WINDING(S) PROVIDED.

Reply Instructions: Enter the quantity. (e.g., CPWLA1*)

ALL*

CPWM D WINDING CHARACTERISTIC

Definition: AN INDICATION OF THE CHARACTERISTIC(S) OF A WINDING.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CPWMDCB*)

REPLY CODE	REPLY (AC02)
CB	SINGLE WOUND TAPPED
CC	SINGLE WOUND UNTAPPED

ALL*

ANWD J AC OPERATING VOLTAGE RATING IN VOLTS

Definition: THE ALTERNATING CURRENT VALUES OF ROOT MEAN SQUARE POTENTIAL WHICH MUST BE APPLIED TO THE ITEM FOR OPERATION, EXPRESSED IN VOLTS.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ANWDJA110.0*; ANWDJB110.0$$JC115.0*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APBR J DC OPERATING VOLTAGE RATING IN VOLTS

Definition: THE VALUE(S) OF DIRECT CURRENT POTENTIAL WHICH MUST BE APPLIED TO THE ITEM FOR OPERATION, EXPRESSED IN VOLTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APBRJA14.0*; APBRJB14.0$$JC15.0*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APAM J OPERATING CURRENT RATING

Definition: THE OPERATING CURRENT FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APAMJLA220.0*; APAMJLB2220.0$$JLC240.0*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL*

AXAZ J PULL-IN CURRENT

Definition: THE AMOUNT OF CURRENT REQUIRED TO ACTIVATE THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXAZJLA400.0*; AXAZJLB400.0$$JLC425.0*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AXBA J HOLD-IN CURRENT

Definition: THE AMOUNT OF CURRENT REQUIRED TO MAINTAIN OPERATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AXBAJLA200.0*; AXBAJLB200.0$$JLC225.0*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL*

BDFT J COIL DC RESISTANCE

Definition: THE OPPOSITION THAT THE COIL OFFERS TO THE FLOW OF DIRECT CURRENT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BDFTJQA50.0*; BDFTJQB50.0$$JQC60.0*)

Table 1

REPLY CODE	REPLY (AA57)
K	KILOHMS
Q	OHMS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

CPWP J COIL PULL-IN DC RESISTANCE RATING

Definition: THE AMOUNT OF DIRECT CURRENT RESISTANCE REQUIRED TO ACTIVATE THE COIL PULL-IN.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CPWPJQA30.0*; CPWPJQB30.0$$JQC35.0*)

Table 1

REPLY CODE	REPLY (AA57)
K	KILOHMS
Q	OHMS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL*

CPWQ J COIL HOLD-IN DC RESISTANCE RATING

Definition: THE AMOUNT OF DIRECT CURRENT RESISTANCE REQUIRED TO MAINTAIN OPERATION OF THE COIL HOLD-IN.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CPWQJQ225.0*; CPWQJQB225.0$$JQC230.0*)

Table 1

REPLY CODE	REPLY (AA57)
K	KILOHMS
Q	OHMS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APNH A COIL TERMINAL QUANTITY

Definition: THE SPECIFIC NUMBER OF COIL TERMINALS INCLUDED.

Reply Instructions: Enter the quantity. (e.g., APNHA2*)

ALL*

APNG A CONTACT TERMINAL QUANTITY

Definition: THE SPECIFIC NUMBER OF CONTACT TERMINALS INCLUDED.

Reply Instructions: Enter the quantity. (e.g., APNGA2*)

ALL*

APNJ A COMMON TERMINAL QUANTITY

APP Key	MRC	Mode Code	Requirements

Definition: THE SPECIFIC NUMBER OF COMMON TERMINALS INCLUDED.

Reply Instructions: Enter the quantity. (e.g., APNJA6*)

ALL

CPWT B SHAFT ROTATION IN DEG

Definition: THE MEASUREMENT OF THE SHAFT ROTATION, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., CPWTB30.0*)

ALL*

AYSY D ROTATION DIRECTION FOR WHICH DESIGNED

Definition: THE DIRECTION OF ROTATION FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYSYDAAC*)

Enter the direction when viewed facing the shaft end.

REPLY CODE	REPLY (AA38)
AAC	CLOCKWISE
AAD	COUNTERCLOCKWISE

ALL

APNR D RESET FACILITY FEATURE

Definition: AN INDICATION OF WHETHER OR NOT THE RESET FACILITIES ARE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APNRDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

APP Key	MRC	Mode Code	Requirements

ALL*

AAPL J TORQUE LOAD RATING

Definition: THE ABILITY OF AN ITEM TO WITHSTAND A SPECIFIED TORQUE LOAD WITHOUT FRACTURE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAPLJA8.00*)

REPLY CODE	REPLY (AA56)
D	CENTIMETER-GRAMS (Gram-Centimeters)
F	FOOT-POUNDS (Pound-Foot)
R	INCH-GRAMS (Gram-Inch)
A	INCH-OUNCES (Ounce-Inches)
G	INCH-POUNDS (Pound-Inches)
N	METER NEWTON
P	POUNDS

ALL*

ADZC D ENVIRONMENTAL PROTECTION

Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 8. (e.g., ADZCDAR*; ADZCDGJ$$DGK*; ADZCDGJ$DGK*)

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP
Key MRC Mode Code Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ALGC G MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text.

(e.g., ALGCGONE NO. 6-32 THD AND TWO NO. 4-40 THD SCREWS IRREGULARLY SPACED*)

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements
ALL*			
	FEAT	G	SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*			
	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications,

APP Key	MRC	Mode Code	Requirements
			reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
		B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 7, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

APP Key	MRC	Mode Code	Requirements
ALL*			
	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
			Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)
ALL*			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
			Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL*			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
			Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.
			Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)
			Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL* (See Note Above)

APP Key	MRC	Mode Code	Requirements
	PRPY	A	PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

	NHCF	D	NUCLEAR HARDNESS CRITICAL FEATURE

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

Reply Instructions: Enter the Reply Code from the table below. (e.g., NHCFDCY*)

REPLY CODE	REPLY (AD05)
CY	HARDENED

ALL*

	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

APP Key	MRC	Mode Code	Requirements

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL*

ELCD D EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	ALCD	G	USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALCDGSIGNAL DEVICE*)

ALL

AGAV G END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

ALL

AFJK J CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB8.000*; AFJKJC16.0*)

REPLY CODE	REPLY (AD42)
C	CUBIC CENTIMETERS
B	CUBIC INCHES

ALL

PRMT D PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000*; PRMTDAUA000$$DAGA000*; PRMTDAGA000$DAUA000*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

PMWT J PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780*; PMWTJAUA000F0.500$$JAGA000R0.780*; PMWTJAUA000F0.500$JAGA000R0.780*)

Table 1

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

Table 2

REPLY CODE	REPLY (AG14)
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

ALL

APP Key	MRC	Mode Code	Requirements
	PMLC	J	PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAUA000TERMINALS*; PMLCJAUA000TERMINALS$$JAGA000INTERNAL SURFACES*; PMLCJAGA000TERMINALS$JAUA000INTERNAL SURFACES*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

SUPP G SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL

FCLS A FUNCTIONAL CLASSIFICATION

Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED.

Reply Instructions: Enter the reply from the applicable document.

(e.g., FCLSAHH-1.5*)

APP Key	MRC	Mode Code	Requirements
ALL			
	FTLD	G	FUNCTIONAL DESCRIPTION
	Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.		
	Reply Instructions: Enter description of function as concisely as possible. (e.g., FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*)		
ALL			
	TMDN	A	TYPE/MODEL DESIGNATION
	Definition: THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM.		
	Reply Instructions: Enter the appropriate designation data.		
	(e.g., TMDNAMSV-615/M*)		
ALL			
	RTSE	G	RELATIONSHIP TO SIMILAR EQUIPMENT
	Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION, CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM.		
	Reply Instructions: Enter concise statement for similar item including name and identifying data.		
	(e.g., RTSEGSIMILAR TO LOCKHEED OVERWING ENGINE HOIST P/N 61521-58*)		
ALL			
	RDAL	G	REFERENCE DATA AND LITERATURE
	Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.		
	Reply Instructions: Enter data appropriate and in a concise manner to identify informational references covering the item.		
	(e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)		

APP Key	MRC	Mode Code	Requirements
ALL			
	NTRD	A	ENTRY DATE
	Definition: INDICATE THE DATE THE ITEM WAS ENTERED INTO MIL-HDBK-300.		
	Reply Instructions: Enter the date structured in three hyphenated 2 position segments to indicate the last 2 digits of the calendar year, month, and day.		
	(e.g., NTRDA80-05-28*)		
ALL			
	ZZZP	J	PURCHASE DESCRIPTION IDENTIFICATION
	Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.		
	Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code, followed by a dash and the identifying number of the document.		
	(e.g., ZZZP81337-30624A*)		
ALL			
	ZZZV	G	FSC APPLICATION DATA
	Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.		
	Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)		
ALL			
	HZRD	D	HAZARDOUS SUBSTANCES
	Definition: THE SUBSTANCES AND/OR MATERIALS CONTAINED IN THE ITEM THAT HAVE BEEN IDENTIFIED AS HAZARDOUS OR ENVIRONMENTALLY DAMAGING BY THE ENVIRONMENTAL PROTECTION AGENCY OR OTHER AUTHORIZED GOVERNMENT AGENCY.		

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., HZRDDHAZ008 *; HZRDDHAZ012$$DHAZ092*)

REPLY CODE	REPLY (HZ00)
HAZ008	CADMIUM
HAZ012	COPPER
HAZ092	MAGNESIUM
HAZ030	MAGNESIUM ALLOY
HAZ252	NICKEL
HAZ269	PALLADIUM
HAZ052	ZINC

ALL*

CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

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Reply Tables

Table 1 - SWITCH TYPES

SWITCH TYPES

REPLY CODE	REPLY (AC82)
AM	FOOT
AN	INTERLOCK
AP	KNIFE
AQ	LEVER
AR	LOCK
AS	MAGNETIC
AT	MERCURY
AW	PRESSURE
AA	PULL
AB	PUSH
AC	PUSH-PULL
AX	RADIO FREQUENCY TRANSMISSION LINE
AY	RELAY
AD	ROTARY
AE	SENSITIVE
AF	SLIDE
AZ	STEPPING
BA	THERMAL
BB	THERMOSTATIC
BC	TILT
AG	TOGGLE

Table 2 - MATERIALS

MATERIALS

REPLY CODE	REPLY (AD09)
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
AS0000	ASBESTOS
BC0000	BERYLLIUM COPPER
BR0000	BRASS
BN0000	BRONZE
CD0000	CADMIUM
DFK000	CANVAS
CSE000	CELLULOSE ACETATE
CU0000	COPPER
CK0000	COPPER ALLOY
CUS000	COPPER-PLATED STEEL
FG0000	FIBERGLASS
GS0000	GLASS
GSAC00	GLASS CLOTH, POLYESTER RESIN LAMINATED
GSA000	GLASS, EPOXY

REPLY CODE	REPLY (AD09)
GSAB00	GLASS, EPOXY, FABRIC BASE
GSM000	GLASS FIBER
GSX000	GLASS, FIBROUS
GSC000	GLASS FILLED MELAMINE
AUF000	GOLD ALLOY
FE0000	IRON
FEL000	IRON, ANNEALED
FEA000	IRON, CAST
FEM000	IRON, LAMINATED
FEK000	IRON, MAGNETIC
FEC000	IRON, MALLEABLE
FEB000	IRON, WROUGHT
GST000	LAMINATED GLASS
PBE000	LEAD TIN ALLOY (Terne)
MG0000	MAGNESIUM
MGA000	MAGNESIUM ALLOY
ME0000	METAL
MEH000	METAL, FERROUS
NF0000	NICKEL
NFF000	NICKEL ALLOY
NC0000	NICKEL COPPER ALLOY (Monel)
NS0000	NICKEL SILVER
PD0000	PALLADIUM
PC0000	PLASTIC
PCCE00	PLASTIC, ARC RESISTANT
PCAAAT	PLASTIC, EPOXY RESIN
PCCCQ0	PLASTIC, GLASS FIBER
PCCCR0	PLASTIC, GLASS FIBER, REINFORCED
PCCCS0	PLASTIC, LOW-LOSS
PCM000	PLASTIC, MELAMINE
PCAAV0	PLASTIC, MELAMINE RESIN
PCAAL0	PLASTIC, PHENOL-FORMALDEHYDE (Bakelite)
PCAAAK	PLASTIC, PHENOL-FORMALDEHYDE, CANVAS REINFORCEMENT
PCW000	PLASTIC, PHENOLIC
PL0000	POLYAMIDE NYLON
RC0000	RUBBER
RCAZ00	RUBBER, HARD
RCC000	RUBBER, SYNTHETIC
SLB000	SILICONE GLASS
SLL000	SILICONE GLASS LAMINATE
SL0000	SILICONE RUBBER
AG0000	SILVER
AGD000	SILVER ALLOY
AGE000	SILVER PLATED
AGAN00	SILVER PLATED BRASS
TNE000	SILVER TUNGSTEN
ST0000	STEEL
ST1052	STEEL, CARBON

REPLY CODE	REPLY (AD09)
STC000	STEEL, COLD ROLLED
STB000	STEEL, CORROSION RESISTING
STD000	STEEL, STAINLESS
STAB00	STEEL, TIN DIPPED
TU0000	TELLURIUM COPPER
TN0000	TUNGSTEN
TNB000	TUNGSTEN ALLOY
WD0000	WOOD
WDF000	WOOD, BIRCH
WDA000	WOOD, MAPLE
ZN0000	ZINC

Table 3 - SURFACE TREATMENTS
SURFACE TREATMENTS

REPLY CODE	REPLY (AD09)
AN0000	ANODIZED
ANA000	ANODIZED BLACK
ANG000	ANODIZED, HARD
BA0000	BLACK OXIDE
NFP000	BRIGHT ALLOY (Bright Finish)
CNC000	BRONZE CHROMATE
CD0000	CADMIUM
CDR000	CADMIUM PLATED
CDS000	CADMIUM W/CHROMATE
KCA000	CAUSTIC DIPPED
CL0000	CHEMICAL
CLA000	CHEMICAL FILM
CL0001	CHEMICAL FILM, MIL-C-5541
CLB000	CHEMICALLY TREATED
CNA000	CHROMATE DIPPED
CNB000	CHROMATE FILM
CN0000	CHROMATE (Iridite) (Cronak)
CH0000	CHROME
CHB000	CHROME DIP
KD0000	CHROMIC ACID DIP
CRA000	CHROMIUM PLATED
CUT000	COPPER CLAD
CUZ000	COPPER FLASH
KN0000	COPPER NICKEL ALLOY
CUAB00	COPPER-NICKEL PLATED
DC0000	DICHROMATE
BBJ000	DULL BLACK
EN0000	ENAMEL
ENE000	ENAMEL, BAKED
ENF000	ENAMEL, BLACK
ENR000	ENAMEL, BLACK, CRACKLE FINISH

REPLY CODE	REPLY (AD09)
ENS000	ENAMEL, BLACK, WRINKLE FINISH
ENH000	ENAMEL, GRAY
ENP000	ENAMEL, GRAY-GREEN, WRINKLE FINISH
ENN000	ENAMEL, GRAY, WRINKLE FINISH
ENM000	ENAMEL, SEMIGLOSS
END000	ENAMEL, WRINKLE FINISH
ENC000	ENAMELED
EC0000	ETCH, CAUSTIC
FND000	FINISH, SATIN
GB0000	GALVANIZED
LQ0000	LACQUER
LQD000	LACQUER, BLACK
LQE000	LACQUER, WATER DIPPED
NR0000	NATURAL
DFBBM0	NATURAL CANVAS
NF0000	NICKEL
NFW000	NICKEL, ELECTROLESS
NFX000	NICKEL PHOSPHORUS
NFG000	NICKEL PLATED
NS0000	NICKEL SILVER
NFM000	NICKEL, WHITE
XD0000	OXIDIZED
PNA000	PAINT, ALUMINUM
PND000	PAINT, BLACK
PNF000	PAINT, SILVER
PN0000	PAINTED
PS0000	PASSIVATED
PH0000	PHOSPHATE
PZ0000	PHOSPHOR BRONZE
PCP000	PLASTIC, EPOXY
PCAAL0	PLASTIC, PHENOL-FORMALDEHYDE (Bakelite)
PCAAE0	PLASTIC, POLYESTER RESIN
RCA000	RUBBER COATED
AG0000	SILVER
AGE000	SILVER PLATED
SNF000	TIN PLATED
TDA000	TINNED
TD0000	TINNED DIPPED, HOT
VAC000	VARNISH, MOISTURE AND FUNGUS RESISTANT
VA0000	VARNISHED
ZN0000	ZINC
ZNA000	ZINC CHROMATE
ZNS000	ZINC COATED
ZNC000	ZINC, DICHROMATE TREATED
ZNN000	ZINC PLATED

Table 4 - COLORS

COLORS

REPLY CODE	REPLY (AD06)
AM0000	AMBER
BL0000	BLACK
BU0000	BLUE
CL0000	CLEAR
GY0000	GRAY
GR0000	GREEN
NA0000	NATURAL
LD0000	OLIVE DRAB
MS0041	OPAL
RE0000	RED
RU0000	RUSSET
WH0000	WHITE
WH0032	WHITE LUMINOUS
WH0004	WHITE, LUNAR
YE0000	YELLOW

Table 5 - THREAD SERIES

THREAD SERIES

REPLY CODE	REPLY (AH06)
SM	ISO M
SS	ISO S
UN	UN
NC	UNC
NE	UNEF
NF	UNF
NJ	UNJ
JC	UNJC
JE	UNJEF
JF	UNJF
NM	UNM
NS	UNS

Table 6 - MOUNTING METHODS

MOUNTING METHODS

REPLY CODE	REPLY (AB89)
PK	BAR
DJ	BASE
MJ	BODY
AA	BOLT
MK	BORE
AB	BRACKET

REPLY CODE	REPLY (AB89)
CZ	BUSHING
AY	CLAMP RING
CR	CLIP
AF	FLANGE
ML	HOLE
MM	HUB
FH	KEY
AM	PLATE
MN	PRESS
AN	SCREW
LY	SHAFT
MP	SIDE
FB	SLOT
MQ	STAND-OFF LOCKING KEY
DF	STUD

Table 7 - NONDEFINITIVE SPEC/STD DATA

NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE

REPLY CODE	REPLY (AD08)
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM

REPLY CODE	REPLY (AD08)
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 8 - ENVIRONMENTAL PROTECTIONS

ENVIRONMENTAL PROTECTIONS

REPLY CODE	REPLY (AA65)
A	ANY ACCEPTABLE
GJ	CORROSION PROOF
GK	CORROSION RESISTANT
CR	DRIPPROOF
GL	DUST TIGHT
BV	DUSTPROOF
GM	EROSION PROOF
BW	EXPLOSION PROOF
BB	FIRE RESISTANT (includes FLAME RESISTANT)
GN	FUNGUS PROOF
GP	FUNGUS RESISTANT
	Fungus Treated (use Reply Code GP)
GE	HERMETICALLY SEALED
GQ	HUMIDITY PROOF
GR	HUMIDITY RESISTANT
GS	MOISTURE PROOF
GT	MOISTURE RESISTANT
CA	OIL TIGHT
CH	PRESSURE PROOF
CB	PRESSURIZED
GW	SALT SPRAY RESISTANT
GX	SALT WATER RESISTANT
GY	SAND PROOF
GZ	SHOCK PROOF
HA	SHOCK RESISTANT
CP	SPLASH PROOF

REPLY CODE	REPLY (AA65)
DS	SPLASHTIGHT
HB	TAMPER PROOF
FM	TEMPERATURE RESISTANT
HC	VIBRATION PROOF
HD	VIBRATION RESISTANT
BS	WATER RESISTANT
AQ	WATERPROOF
BX	WATERTIGHT
AR	WEATHERPROOF
HE	WIND PROOF
HF	WINTERIZED

Table 9 - RELAY TYPES
RELAY TYPES

REPLY CODE	REPLY (AK38)
BN	AC
AB	ANTENNA
AC	ARMATURE
AD	AUXILIARY
AE	CONTACTOR
AF	CONTROL
AG	CURRENT
AH	DC
AJ	DIFFERENTIAL
AK	ELECTROMAGNETIC
AL	FAULT DETECTOR
AM	GENERAL PURPOSE
AN	INTERLOCKING
AP	KEYING
AQ	LATCHING
AR	MAGNETIC
AS	METER MOVEMENT
AT	MOTOR DRIVEN
AW	PHASE
AX	PLUG-IN
AY	POLARIZED
AZ	POWER
BA	REED
BB	RELAY-SWITCH
BC	ROTARY
BD	SENSITIVE
BE	SEQUENCE
BF	SOLENOID
BG	STEPPING
BH	TELEGRAPH
BJ	TELEPHONE

REPLY CODE	REPLY (AK38)
BK	THERMAL
BL	TIME DELAY
BM	VOLTAGE

Table 10 - CROSS-SECTIONAL SHAPES
CROSS-SECTIONAL SHAPES

REPLY CODE	REPLY (AD07)
ZZ	ANY ACCEPTABLE
Z	ANY ACCEPTABLE (Do not use for MRC APDQ)
FL	FLAT
DY	FLAT UNDERCUT
	Flatted (use Reply Code FL)
BC	IRREGULAR
CT	OCTAGONAL
BT	OVAL
RT	RECTANGULAR
RD	ROUND
DZ	ROUND PARALLEL FLATTED
EA	ROUND W/CROSS HOLE
EB	SLOTTED
SQ	SQUARE
BK	STRAIGHT
TE	TEE
EC	UNDERCUT

Table 11 - SWITCH ACTION TYPES
SWITCH ACTION TYPES

REPLY CODE	REPLY (AJ27)
A	ANY ACCEPTABLE
AG	ARMATURE RELAY
AH	CAM OPERATED
AJ	CIRCUIT BREAKER
AK	DOUBLE THROW
AL	ELECTROMAGNETIC CONTACTOR
AM	KNIFE BLADE
AN	MAGNETIC CONTACTOR
AE	ROTARY
AP	ROTOR CONTACTOR

Table 12 - RESET LOCK-IN DEVICE TYPES
RESET LOCK-IN DEVICE TYPES

REPLY CODE	REPLY (AK65)

REPLY CODE	REPLY (AK65)
AAB	COIL
AAC	ELECTROMAGNETIC
AAD	ISOLATED COIL
AAE	LOCKING COIL
AAF	MAGNET
AAG	PERMANENT MAGNET
AAH	SCREW
AAJ	SELF-HOLDING SPRING
AAK	SEPARATE DOUBLE LOCKING COILS
AAL	SOLENOID
AAM	SUPPLEMENTARY LOCKING COIL

Table 13 - RESET RELEASE METHODS

RESET RELEASE METHODS

REPLY CODE	REPLY (AK66)
AAP	DEENERGIZE LOCK-IN COIL
AAB	ELECTROMAGNETIC
AAC	INTERRUPTION OF LOCK-IN DEVICE CURRENT
AAH	MANUAL
AAD	MANUAL AND DEENERGIZE LOCK-IN COIL
AAE	MANUAL AND ELECTROMAGNETIC
AAG	MANUAL OR AUTOMATIC
AAF	MANUAL OR ELECTROMAGNETIC
AAJ	MANUAL RESET
AAK	SOLENOID
AAL	SPRING
AAM	SPRING RETURN
AAN	120 V/AC 60 CYCLES SOLENOID

Table 14 - TERMINAL TYPES

TERMINAL TYPES

REPLY CODE	REPLY (AA58)
A	ANY ACCEPTABLE
GD	BAR
AA	BINDING POST
AB	BRACKET
BL	BUS BAR
GE	CABLE ASSEMBLY, RADIO FREQUENCY
AC	CLAMP
BM	CLIP
AD	CONCENTRIC
BQ	CONNECTOR, RECEPTACLE
GF	CONTACT BAR
GG	CONTACT SURFACE

REPLY CODE	REPLY (AA58)
GH	DISK
AE	DOUBLE SCREW
AF	EYELET
GJ	EYELET, METALLIC
AG	EYELET W/TAB
AH	EYELET W/WIRE LEAD
AJ	FERRULE
AK	FERRULE W/TAB
AL	FERRULE W/WIRE LEAD
GL	FINGER
GM	GROUND PLATE
GN	HOLE
FQ	LUG
GP	MOVING WIPER
GQ	PIGTAIL
AM	PIN
GR	PLAIN STUD
GS	PLATE
GT	PLUG-IN
GW	POST
GX	PREINSULATED DIAMOND GRIP
GY	PRONG
GZ	PRONG RECEPTACLE
BE	SCREW
AN	SCREW BASE
HA	SCREW LUG
HB	SCREW POST
FT	SCREW STUD
HC	SCREW THREAD
AP	SLEEVE
HD	SLIDING
HE	SLIP RING
BW	SLOTTED LUG
HF	SOLDER
HG	SOLDER CUP
FW	SOLDER LUG
HJ	SOLDER LUG W/INTEGRAL CONTACTS
HH	SOLDER LUG W/WIRE LEAD
HK	SOLDER PART
HL	SOLDER POT
HM	SOLDER SLEEVE
AQ	SOLDER STUD
HN	SOLDER TAB
HP	SOLDER TO CONTACT SPRING
HQ	SOLDER WIRE
AR	SPARK PLUG
EM	SPRING
HR	SPRING CLIP

REPLY CODE	REPLY (AA58)
HS	SPRING CONTACT
HW	SPRING LEAF
HX	STAKING AND DIP SOLDER
AS	STANDARD TUBE BASE
HY	STRIP
FX	STUD
AT	TAB, SOLDER LUG
AU	TAB W/SCREW
AV	TAB W/WIRE LEAD
AW	TAB W/WIRE LEAD W/TAB
HZ	TAPER PIN
AX	TAPERED FERRULE
JA	TAPPED HOLE
AY	THREADED BUSHING
CH	THREADED HOLE
AZ	THREADED STUD
JB	TUBE PLUG
BA	TURRET
BB	WIRE LEAD
JC	WIRE LEAD W/EYELET
JD	WIRE LEAD W/SOLDER LUG
BC	WIRE LOOP

Table 15 - MOUNTING FACILITY

MOUNTING FACILITY

REPLY CODE	REPLY (AB89)
DJ	BASE
MR	BOX
AB	BRACKET
JA	CHASSIS
MS	CONTAINER
MT	COVER
MW	MOUNTING BOARD
KL	PANEL
AAA	PRINTED WIRING BOARD

Reference Drawing Groups

REFERENCE DRAWING GROUP A

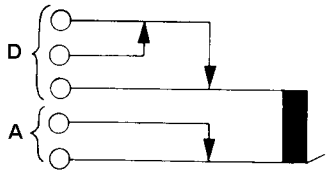
CONTACT FORMS

PILE-UP TYPE

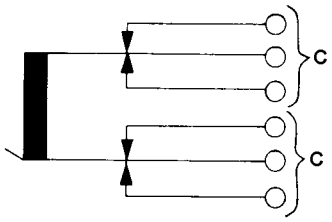
In the commercial field, all contact arrangements for pile-up switches have been resolved into combinations of basic forms A through M as illustrated below. When recording the contact arrangement of a pile-up assembly, the following procedure will be followed:

a. Determine the number of pile-up assemblies involved. (An assembly consists of a number of spring leaves mounted on a common pillar to form a combination of switching arrangments actuated simultaneously by a single contact transfer rod.)

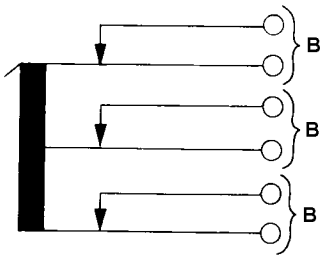
b. Determine from the illustration of the basic forms, the type and quantity of each basic form used to make up each pile-up contact assembly. Record in order of assemblage, i.e., from the heelpiece or frame in physical ascendance regardless of numeric or alphabetic order, consolidating identical basic forms only to the extent that they are in consecutive order of assemblage. (e.g., 2C1A; 1C1A1C).



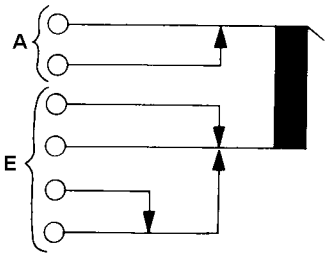
ASSY. #1



ASSY. #2



ASSY. #3



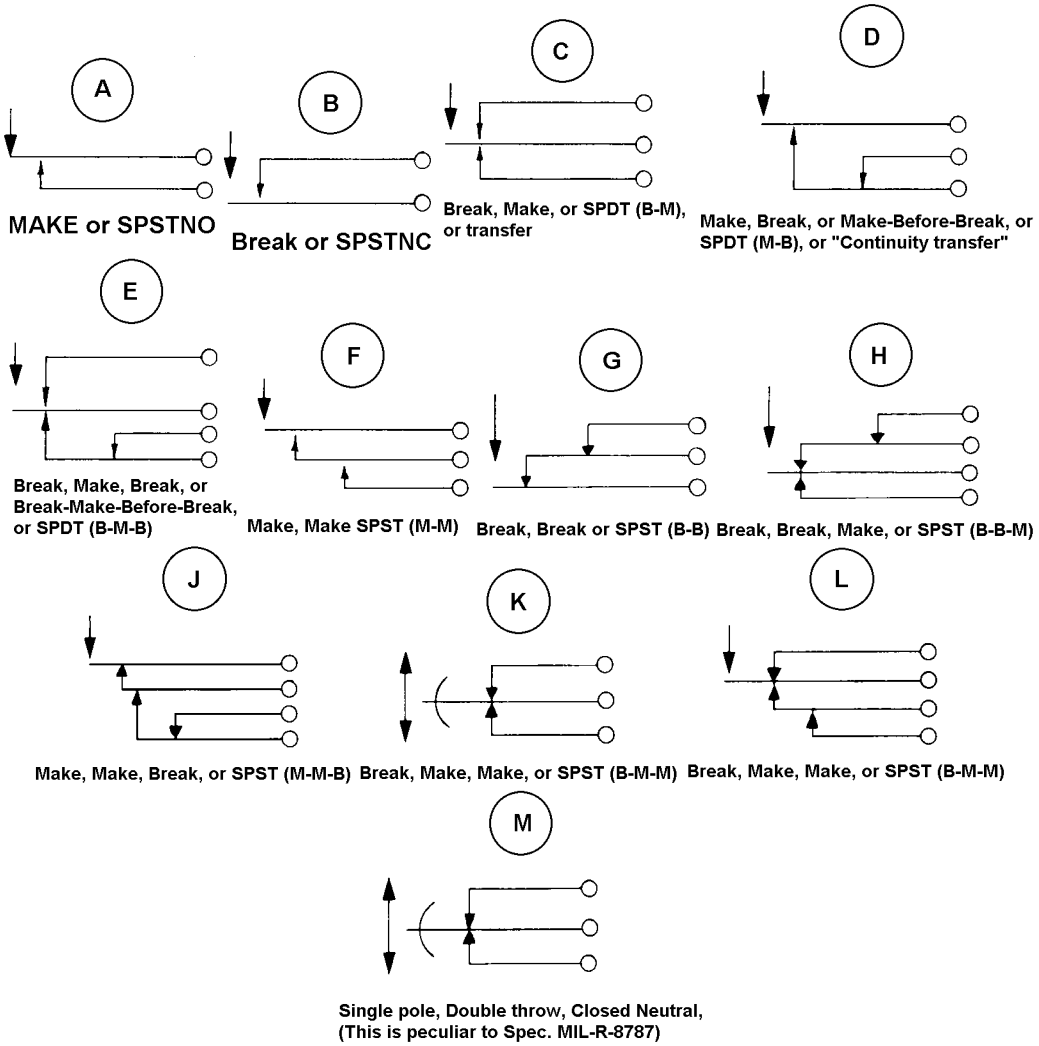
ASSY. #4

When recording pile-up contact form arrangements, the reply will consist of the master

requirement code, the mode code, the quantity, and type of pile-up form. (e.g., APCDA1A*).

For items consisting of two or more pile-up assemblies, use the AND ($$) symbol. For example, if an item consists of four pile-up assemblies such as those shown in the illustration above, the replies would be APCDA1A1D$$A2C$$A3B$$A1A1E*.

(All contact forms are momentary action and are shown in the normal unactuated position. The heavy arrow indicates the direction of operation.)

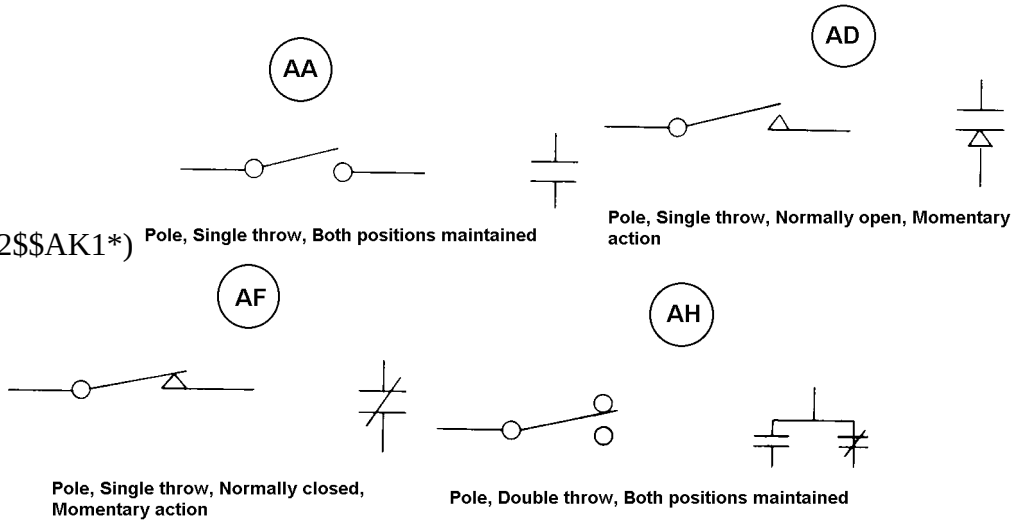


REFERENCE DRAWING GROUP B

CONTACT FORMS

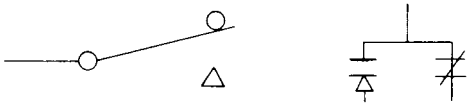
NONPILE-UP TYPE

1. The single and double throw schematics in this group (Reply Codes AA through AL) represent single pole items only. The reply for contact arrangement shall consist of the applicable reply code, followed by the number of poles (e.g., for a double pole, single throw switch, with both positions maintained, enter reply as "AA2"; for a single pole, double throw switch, with one position momentary, enter reply as "AK1").
2. The schematics for the two circuit arrangments (Reply Codes AS through AX) represent the basic form. The reply for contact arrangment shall consist of the applicable reply code followed by the number of basic forms (e.g., for a single two circuit switch, with both positions maintained, enter reply as "AS1"; for a switch consisting of two, two circuit, with one position momentary, enter reply as "AV2").
3. For multiple replies, use AND coding ($$). (e.g.,



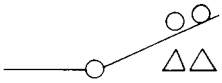
APDZJAA2$$AK1*)

AK



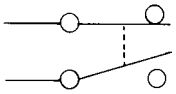
Pole, Double throw One position momentary

AL



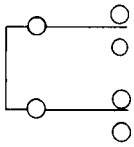
Pole, Double throw, Double break/Double make, One position momentary

AS



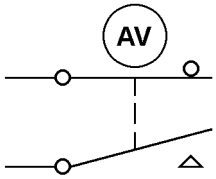
Two circuit, Both positions maintained

AU



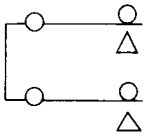
Two circuit Double break/Double make Permanent jumper with no external terminal, Both positions maintained

AV



TWO CIRCUIT, ONE POSITION MOMENTARY

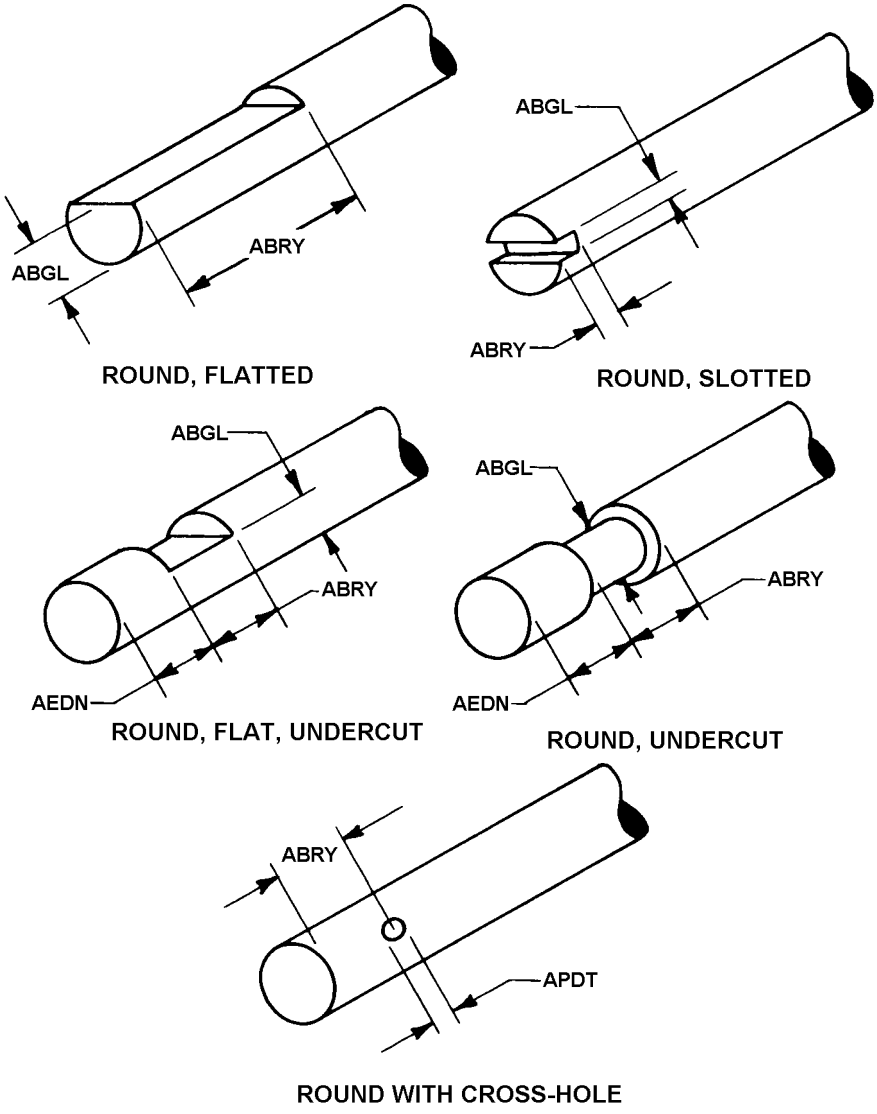
AX



Two circuit, Double break/Double make Permanent jumper with no external terminal, One position momentary

REFERENCE DRAWING GROUP C

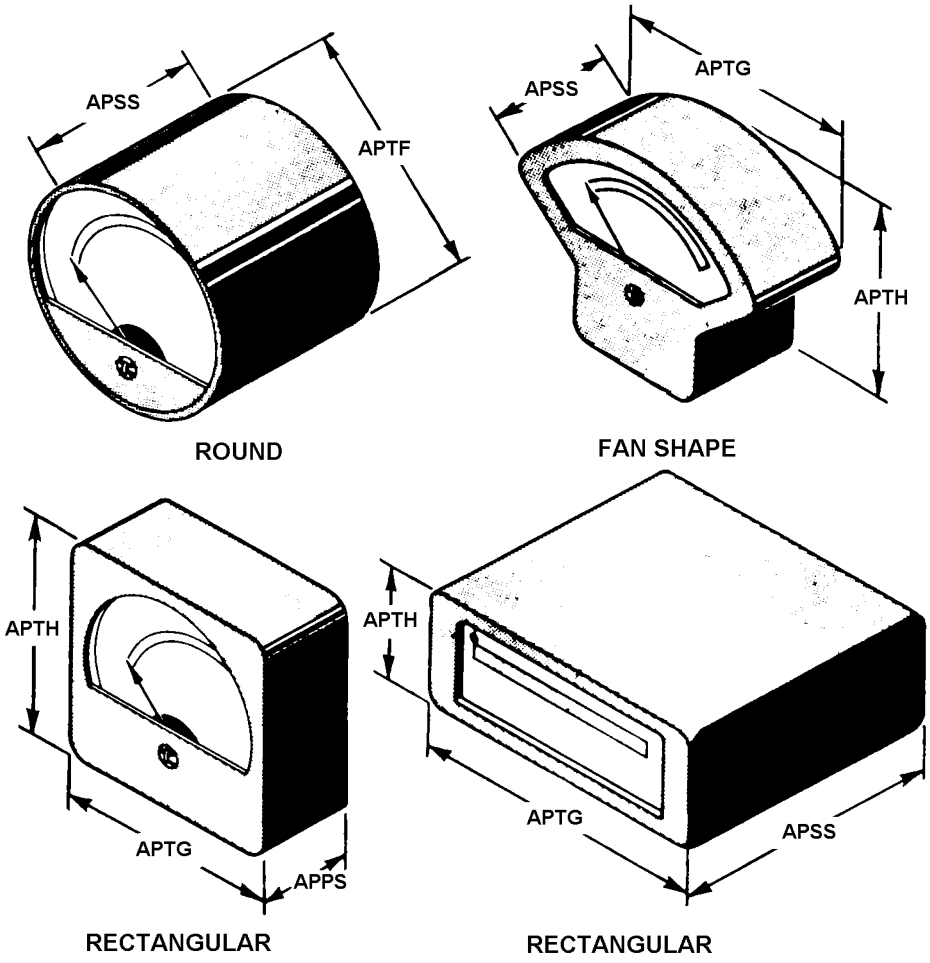
SHAFT END DIMENSIONS

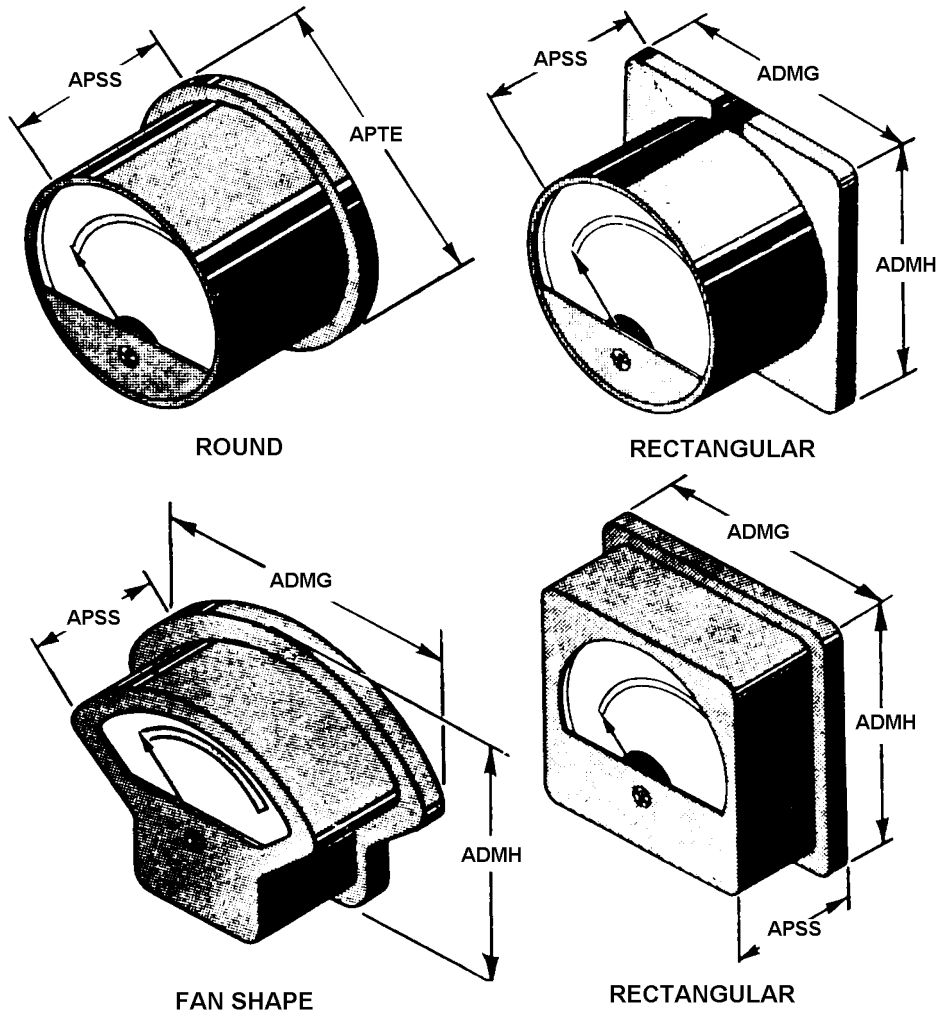


REFERENCE DRAWING GROUP D

METER MOUNTING TYPES

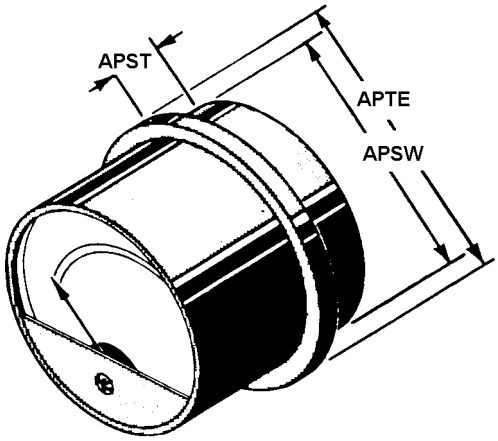
SURFACE MOUNTING



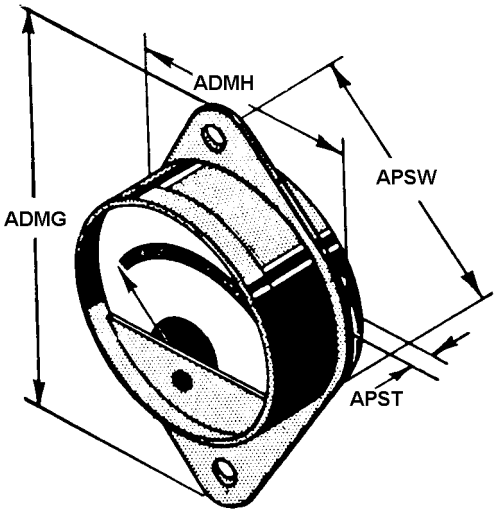


METER MOUNTING TYPES

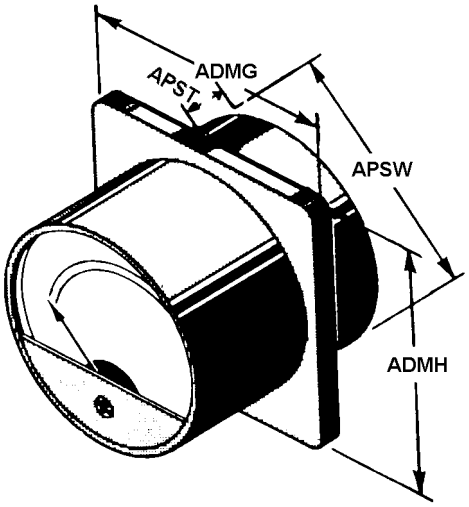
SEMI-FLUSH MOUNTING



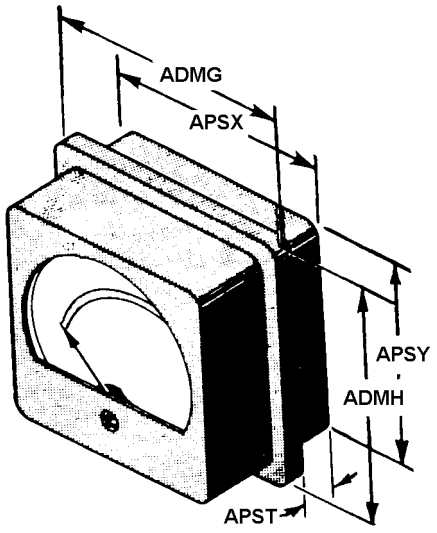
ROUND



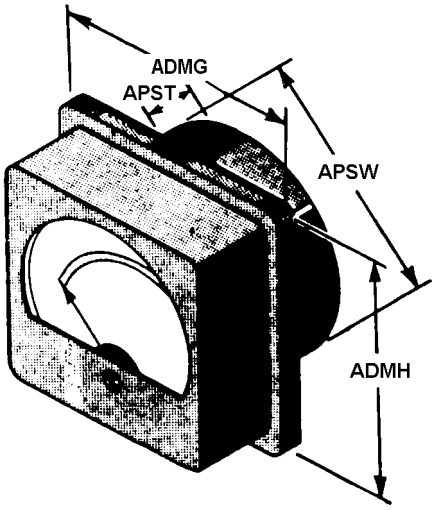
OVAL



RECTANGULAR



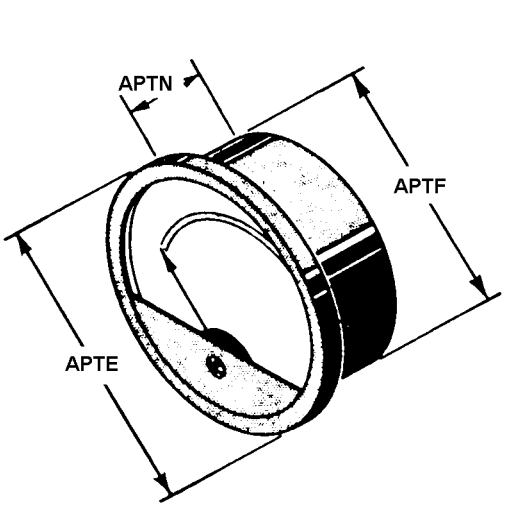
RECTANGULAR



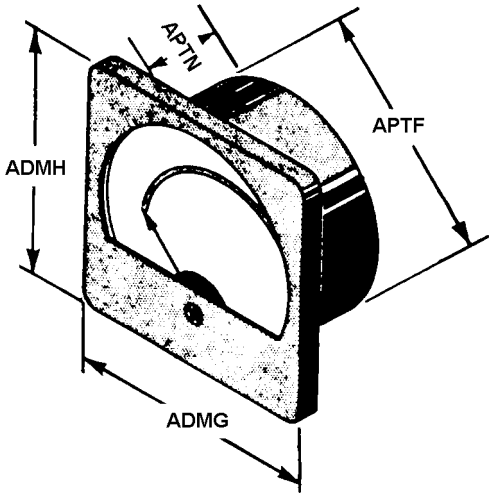
RECTANGULAR

METER MOUNTING TYPES

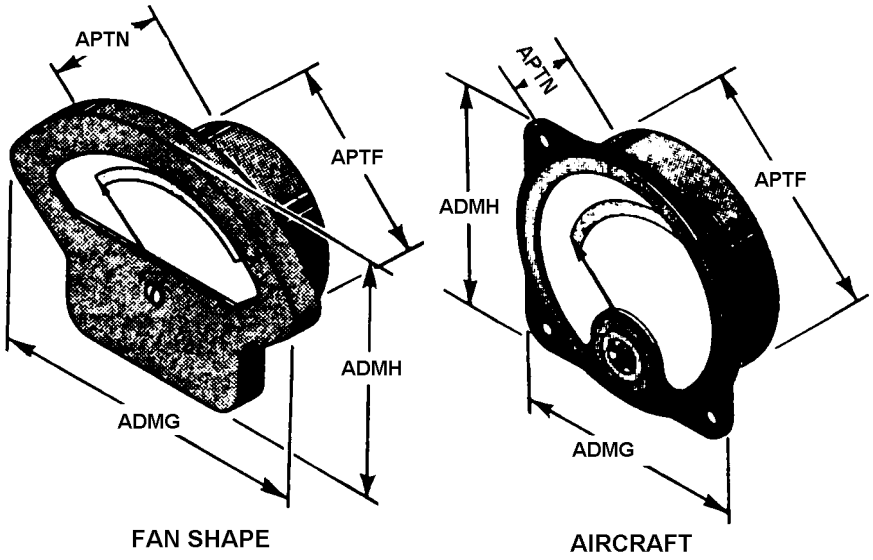
FLUSH MOUNTING



ROUND

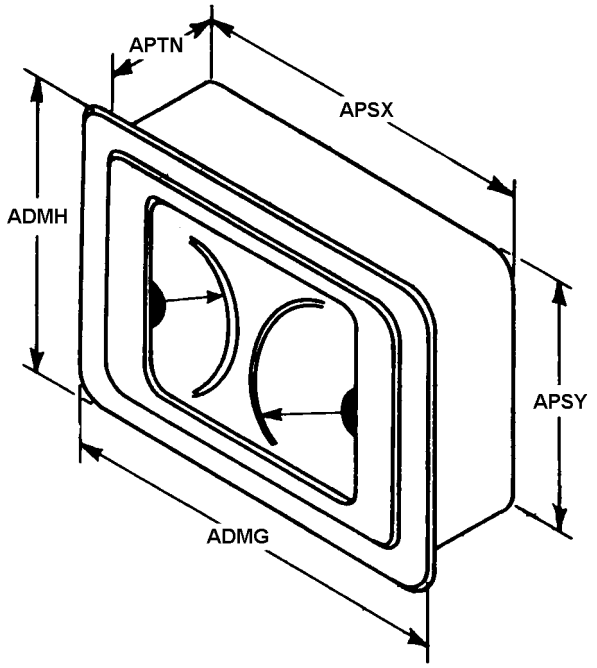


RECTANGULAR



FAN SHAPE

AIRCRAFT



RECTANGULAR

Technical Data Tables

IDENTIFIED SECONDARY ADDRESS CODING (I/SAC)

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating. Under this condition reply only alternate operating.

When the item is powered by external power source(s) only reply operating. When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

If you have more than one reply to the same MRC in any series, use I/SAC coding from the Table below to identify the series, then AND/OR ($$/$) Coding. (e.g.; ACYN1AJVB110.0$$JVC115.0*; ACYN1BJVB220.0$$JVC230.0$$JVA120.0*)

IDENTIFIED SECONDARY SEQUENCE CODING for MRCs ACYN, ACZB, FAAZ, ACYR, and ALSF.

REPLY CODE	REPLY (0360)
1A	1ST ALTERNATE OPERATING POWER RQMT
1M	1ST OPERATING POWER RQMT
1B	2ND ALTERNATE OPERATING POWER RQMT
1N	2ND OPERATING POWER RQMT
1C	3RD ALTERNATE OPERATING POWER RQMT
1P	3RD OPERATING POWER RQMT
1D	4TH ALTERNATE OPERATING POWER RQMT
1Q	4TH OPERATING POWER RQMT
1E	5TH ALTERNATE OPERATING POWER RQMT
1R	5TH OPERATING POWER RQMT
1F	6TH ALTERNATE OPERATING POWER RQMT
1S	6TH OPERATING POWER RQMT
1G	7TH ALTERNATE OPERATING POWER RQMT
1T	7TH OPERATING POWER RQMT
1H	8TH ALTERNATE OPERATING POWER RQMT
1U	8TH OPERATING POWER RQMT
1J	9TH ALTERNATE OPERATING POWER RQMT
1V	9TH OPERATING POWER RQMT
1K	10TH ALTERNATE OPERATING POWER RQMT

REPLY CODE	REPLY (0360)
1W	10TH OPERATING POWER RQMT
1L	11TH ALTERNATE OPERATING POWER RQMT
1X	11TH OPERATING POWER RQMT

HOLE SIZE TO HOLE DIAMETER

NOTE: CONVERT ALL HOLE DIMENSIONS GIVEN AS A SIZE TO DECIMAL DIAMETER IN ACCORDANCE WITH THE FOLLOWING CHART:

SIZE	DECIMAL
0	0.067
1	0.081
2	0.0093
3	0.106
4	0.120
5	0.136
6	0.144
8	0.178
10	0.201
12	0.228
14	0.250

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

OUNCES	POUNDS
1	0.062
2	0.125
3	0.188
4	0.250
5	0.312
6	0.375
7	0.438
8	0.500
9	0.562
10	0.625
11	0.688
12	0.750
13	0.812
14	0.875
15	0.938
16	1.000

FIIG Change List

FIIG Change List, Effective September 3, 2010

This change replaced with ISAC or and/or coding.